ORDER NO. MD0106134C3

Service Manual

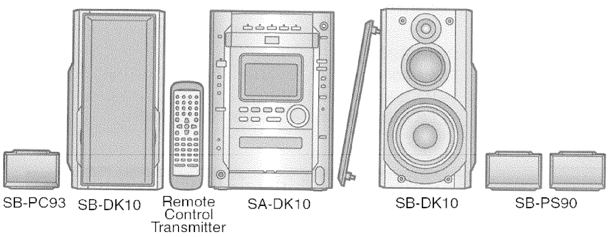
DVD Stereo System

COMPACT DISC DIGITAL AUDIO
COMPACT DISC DIGITAL VIDEO
DVD VIDEO
MASH multi-stage noise shaping

SA-DK10

Colour
(S)... Silver Type
Area
(GC)... Middle East
(GK)... China
(GN)... Oceania
(GCS)... Singapore
(GCP)... Latin America
TAPE SECTION :
AR2 MECHANISM SERIES
DISC SECTION :
RAE0152Z-3 TRAVERSE DECK SERIES

*1 DOLBY DIGITAL *2 DOLBY SURROUND PRO · LOGIC


SB-PC93
SB-DK10
Remote Control Transmitter
SA-DK10
SB-DK10
SB-PS90

SPECIFICATIONS

Specifications

■ AMPLIFIER SECTION

Stereo mode power output	
RMS power output	
THD 10%, both channels driven	
(For GC, GCS & GCP only)	
LF 75 Hz	80 W per channel (8 Ω)
HF 1 kHz	35 W per channel (6 Ω)
(For GN & GK only)	
LF 75 Hz	70 W per channel (8 Ω)
HF 1 kHz	30 W per channel (6 Ω)
Total power output	
(For GC, GCS & GCP only)	230 W
(For GN & GK only)	200 W
PMPO (Except GN & GK)	1900 W
Power output in Home Theater mode	
RMS power output	
THD 10%, both channels driven	
Front	
(For GC, GCS & GCP only)	
LF 75Hz	80 W per channel (8 Ω)
HF 1 kHz	35 W per channel (6 Ω)
(For GN & GK only)	
LF 75Hz	70 W per channel (8 Ω)
HF 1 kHz	30 W per channel (6 Ω)
Center 1 kHz	
(For GC & GCS only)	80 W (8 Ω)
(For GN & GK only)	40 W (8 Ω)
(For GCP only)	50 W (8 Ω)
Surround 1 kHz	
(For GC, GCS & GCP only)	40 W per channel (8 Ω)
(For GK & GN only)	35 W per channel (8 Ω)
Total power output	
(For GC & GCS only)	390 W
(For GCP only)	360 W
(For GK & GN only)	310 W
PMPO	
(For GC & GCS only)	3200 W
(For GCP only)	2800 W
Input sensitivity	
AUX	250 mV
MIC (For GC,GCS,GK & GK only)	0.7 mV
Input Impedance	
AUX	10 kΩ
MIC (For GC,GCS,GK & GK only)	600 Ω

■ FM TUNER SECTION

Frequency range	87.50 - 108.00 MHz (50 kHz steps)
Sensitivity	1.8 μV (IHF)
S/N 26 dB	1.5 μV
Antenna terminal(s)	75 Ω (unbalanced)

■ AM TUNER SECTION

AM TUNER SECTION

Frequency range (For GN only)	522 - 1629 kHz (9 kHz steps) 520 - 1630 kHz (10 kHz steps)
Sensitivity	
S/N 20 dB (at 999 kHz)	500 µ V/m

■ CASSETTE DECK SECTION

Track system	4 track, 2 channel
Heads	
Record/playback	Solid permalloy head
Erasure	Double gap ferrite head
Motor	DC servo motor
Recording system	AC bias 100 kHz
Erasing system	AC erase 100 kHz
Tape speed	4.8 cm/s (1 7/8 ips)
Frequency response (+3 dB, -6 dB at DECK OUT)	
NORMAL (TYPE I)	35 Hz - 14 kHz
HIGH (TYPE II)	35 Hz - 14 kHz
S/N	50 dB (A weighted)
Wow and flutter	0.18 % (WRMS)
Fast forward and rewind time	Approx. 120 seconds with C-60 cassette tape

■ Disc SECTION

Disc	
DVD-Video	
8 cm/12 cm single sided, single layer	
8 cm/12 cm single sided, double layer	
8 cm/12 cm double sided, double layer (One layer per side)	
Video CD/CD	8 cm/12 cm
Video	
Signal system	NTSC
Output level	
Composite video	1 Vp-p (75 Ω)
S-Video Y	1 Vp-p (75 Ω)
S-Video C (Except GCP)	0.300 Vp-p (75 Ω /PAL) 0.286 Vp-p (85 Ω /NTSC)
Audio	
Sampling frequency	
CD	44.1 kHz
DVD	48kHz/96 kHz
Decoding	16/20/24 bit linear
Wow and flutter	Below measurable limit
D/A converter	Delta-sigma DAC)
Pick up	
Beam source	Semiconductor Laser
Wavelength	
DVD	658 nm
VCD/CD	790 nm

■ GENERAL

Power supply	
(For GC, GCS & GCP only)	AC 110/127/220-230/240 V, 50/ 60Hz
(For GK only)	AC 220 V, 50 Hz
(For GN only)	AC 230/240 V, 50 Hz

Power consumption	
(For GC, GCS & GCP only)	191 W
For GK only)	195 W
For GN only)	186 W
Power consumption in standby mode	
(For GC, GCS & GCP only)	0.8 W
For GK & GN only)	0.6 W
Dimensions (W x H x D)	215.4 X 315 X 350 mm
Mass	8.2 kg

■ **SYSTEM**

SC-DK10 (GC)	Music Center: SA-DK10 (GC)
	Front Speaker: SB-DK10 (P)
	Surround Speaker: SB-PS90 (P)
	Center Speaker: SB-PC93 (P)
SC-DK10 (GCS)	Music Center: SA-DK10 (GCS)
	Front Speaker: SB-DK10 (P)
	Surround Speaker: SB-PS90 (P)
	Center Speaker: SB-PC93 (P)
SC-DK10 (GCP)	Music Center: SA-DK10 (GCP)
	Front Speaker: SB-DK10 (P)
	Surround Speaker: SB-PS90 (P)
	Center Speaker: SB-PC93 (P)
SC-DK10 (GK)	Music Center: SA-DK10 (GK)
	Front Speaker: SB-DK10 (P)
	Surround Speaker: SB-PS90 (P)
	Center Speaker: SB-PC93 (P)
SC-DK10 (GN)	Music Center: SA-DK10 (GN)
	Front Speaker: SB-DK10 (P)
	Surround Speaker: SB-PS90 (P)
	Center Speaker: SB-PC93 (P)

Notes:

1. Specifications are subject to change without notice. Mass and dimensions are aproximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Panasonic®

1. Before Use

Be sure to disconnect the mains cord before adjusting the voltage selector.
Use a minus(-) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used. (If the power supply in your area is 117V or 120V, set to the “127V” position.)
Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries, the correct voltage is already set.)

2. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C566~C569, C782 and C591 through a 10 Ω , 5W resistor to ground.

DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

[GC, GCS & GCP only]

Current consumption at AC 110V, 50Hz and AC 240V, 50Hz in NO SIGNAL mode should be ~650mA and ~320mA respectively.

[GK only]

Current consumption at AC 220V, 50Hz in NO SIGNAL mode should be ~350mA.

[GN only]

Current consumption at AC 240V, 50Hz in NO SIGNAL mode should be ~350mA.

3. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- **No sound is heard when the power is turned on.**
- **Sound stops during a performance.**

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

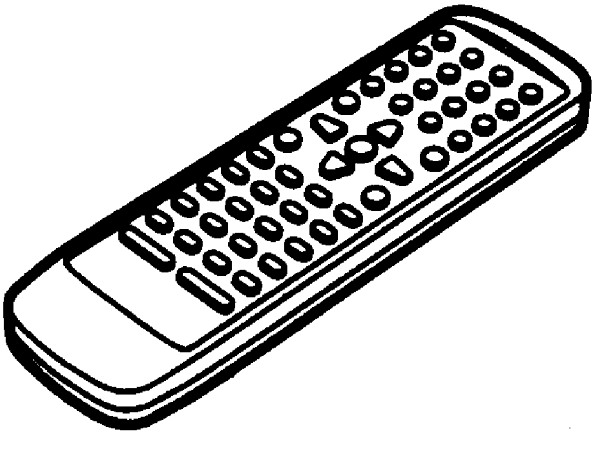
1. **Turn off the power.**
2. **Determine the cause of the problem and correct it.**
3. **Turn on the power once again after one minute.**

Note :

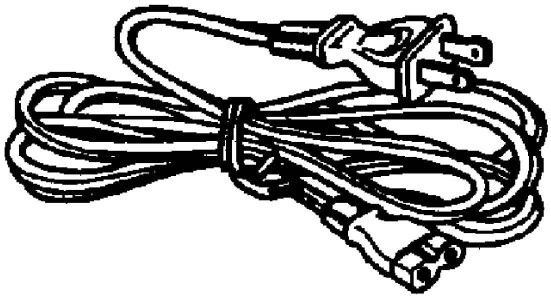
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

4. Accessories

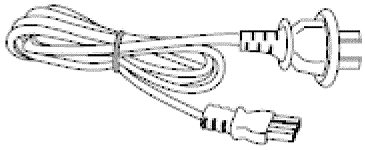
Remote Control Transmitter



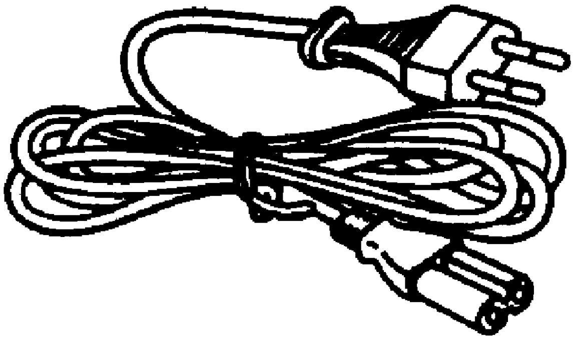
AC Mains Lead (For GK only)



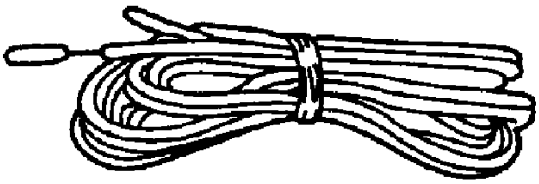
AC Mains Lead (For GN only)



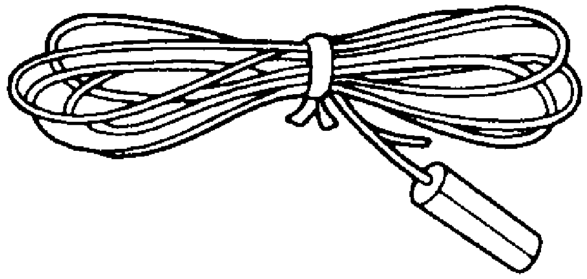
AC Mains Lead (For GC,GCS & GCP only)



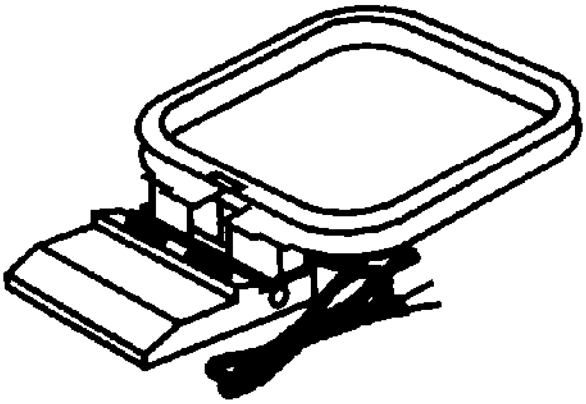
FM Indoor Antenna (For GC, GCS, GCP & GN)



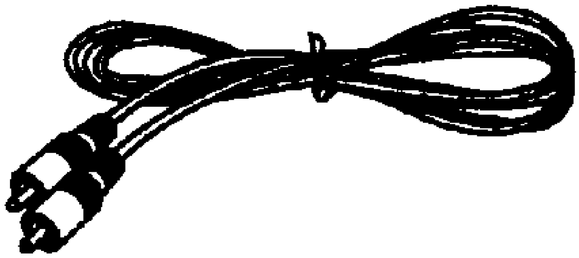
FM Indoor Antenna (For GK only)



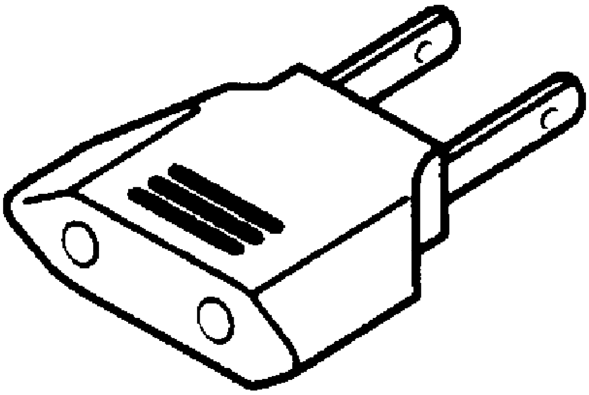
AM Loop Antenna



Video Cable



Power Plug Adaptor (For GCP only)



5. Handling Precaution for Traverse Deck (Optical Pickup)

The laser diode inside the traverse deck (optical pickup) may experience electrostatic damage when subjected to electric potential difference from electrostatic load stored in clothes or human body, etc. Adequate care against electrostatic damage should be taken when carrying out repair..

5.1. Handling of optical pickup

1. **The optical pickup is made up of a very high precision structure. Ensure that it is not subjected to strong shocks.**
2. **To prevent electrostatic damage to the laser diode, short circuit the flexible board of the optical pickup with a shorting pin, etc. when removed from the board. (Refer Fig. 1)**

3. **The flexible board may tear if unnecessary force is exerted on it. Therefore, handle the flexible board with extreme care. (Refer Fig. 2)**
4. **Do not turn the semi-fixed variable resistor (laser power adjustment). It has already been adjusted.**

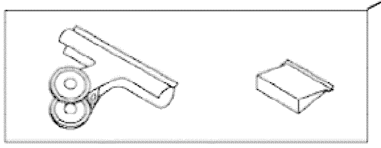
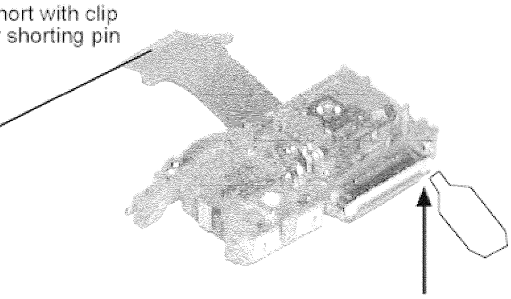

Clip or shorting pin

Fig. 1



Cut the optical unit FPC

Fig. 2

5.2. Replacement of Optical Pickup

Cut the optical unit FPC at the point shown above before replacement.

5.3. Earthing to prevent electrostatic damage

1. **Human body earthing**
   Use the electric charge prevention wrist strap to drain off static electricity stored in the human body.(Refer Fig. 3)
2. **Earthing of work table**
   Lay conductive material (conductive sheet) or steel plate on the location where the traerse deck (optical pickup) is to be situated and ensure that it is earthed. (Refer Fig. 4).

Caution :

The static electricity stored in clothes cannot be drained with the wrist strap. Ensure that clothing does not get into contact with the optical pickup.

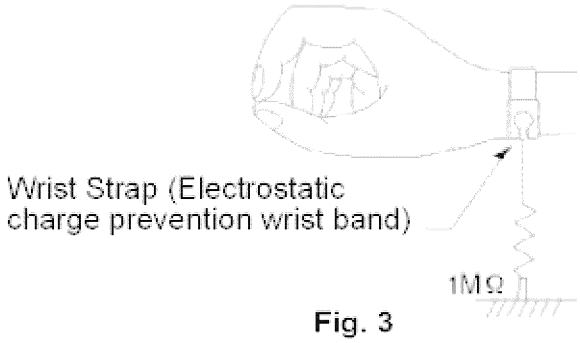


Fig. 3

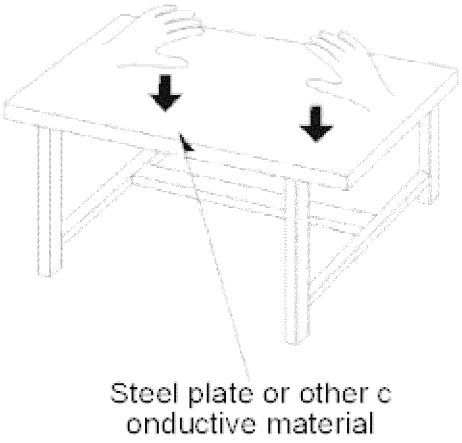


Fig. 4

6. Precaution of Laser Diode

Caution :

This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens. / Wavelength : 780 nm / Maximum output radiation power from pick up : 100 μ W/VDE / Laser radiation from pick up unit is safety level, but be sure the followings:

1. **Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.**
2. **Do not adjust the variable resistor on the pick up unit. It was already adjusted.**
3. **Do not look at the focus lens using optical instruments.**
4. **Recommend not to look at pick up lens for a long time.**

ACHTUNG :

Dieses Produkt enthält eine Laserdiode. Im eingeschalteten Zustand wird unsichtbare Laserstrahlung von der Lasereinheit abgestrahlt. / Wellenlänge : 780nm / Maximale Strahlungsleistung der Lasereinheit : 100 μ W/VDE / Die Strahlung an der Lasereinheit ist ungefährlich, wenn folgende Punkte beachtet werden:

1. **Die Lasereinheit nicht zerlegen, da die Strahlung an der freigelegten Laserdiode gefährlich ist.**
2. **Den werkseitig justierten Einstellregler der Lasereinhit nicht verstellen.**
3. **Nicht mit optischen Instrumenten in die Fokussierlinse blicken.**
4. **Nicht über längere Zeit in die Fokussierlinse blicken.**

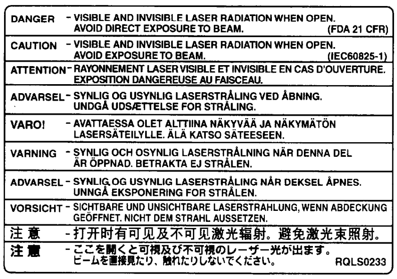
ADVARSEL :

I dette a apparat anvendes laser.

CAUTION!

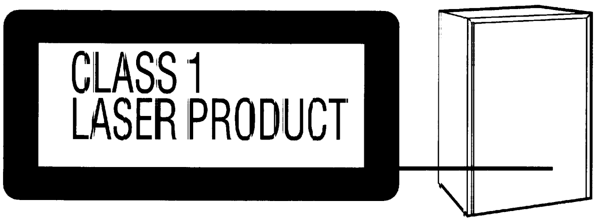
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

■ Use of Caution Labels



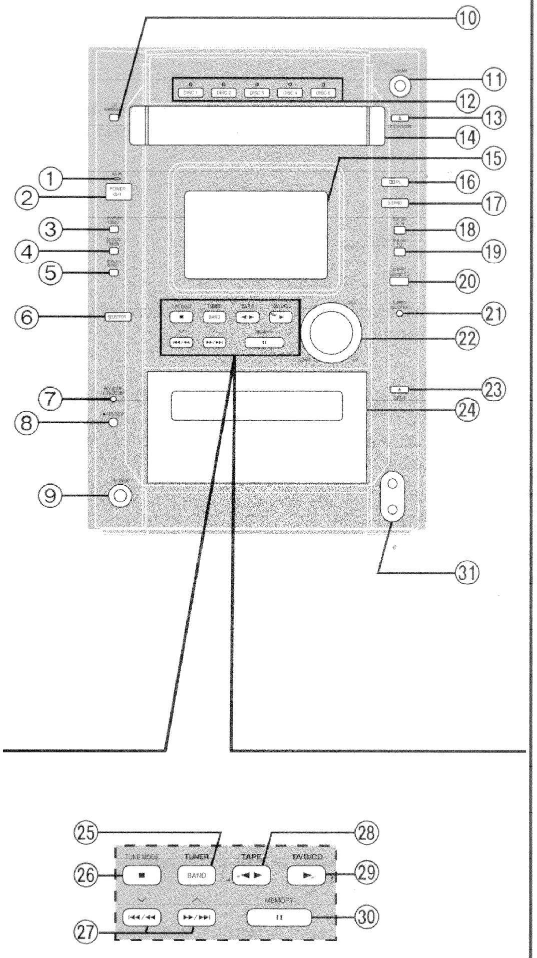
DANGER	- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM. (FDA 21 CFR)
CAUTION	- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. (IEC60825-1)
ATTENTION	- RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.
ADVARSEL	- SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARO!	- AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING	- SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.
ADVARSEL	- SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	- SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.
注 意	- 打开时有可见及不可见激光辐射。避免激光束照射。
注 意	- ここを開くと可視及び不可視のレーザー光が出ます。ビームを直接見たり、触れたりしないでください。 RQLS0233

(Inside of product)



7. Operation Procedures

The illustration is the model for China, the Middle East, South Africa and Asia.



Front panel control

Main unit

① **AC supply indicator (AC IN)**
This indicator lights when the unit is connected to the AC mains supply.

② **Standby/on switch (POWER ⏻/I)**
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

③ **Display select/demonstration button (-DISPLAY/–DEMO)**

④ **Clock/timer button (CLOCK/TIMER)**

⑤ **Timer button (⊙PLAY/⊙REC)**

⑥ **Source select button (SELECTOR)**
Each time you press the button:
TUNER→TAPE→DVD/CD→AUX

⑦ **Tape reverse mode, FM mode, AM beat proof button (REV MODE/FM MODE/BP)**

⑧ **Recording start/stop button (●REC/STOP)**

⑨ **Headphones jack (PHONES)**

⑩ **CD MANAGER button (CD MANAGER)**

⑪ **CINEMA mode button and indicator (CINEMA)**

⑫ **Disc direct select buttons and disc indicators (DISC 1 – DISC 5)**

⑬ **Disc tray open/close button (▲ OPEN/CLOSE)**

⑭ **Disc tray**

⑮ **Display**

⑯ **DOLBY PRO LOGIC button and indicator (DD PL)**

⑰ **Super surround button and indicator (S.SRND)**

⑱ **Super 3D AI EQ button (SUPER 3D AI)**

⑲ **Sound EQ button (SOUND EQ)**

⑳ **Super sound EQ button and indicator (SUPER SOUND EQ)**

㉑ **Super woofer button and indicator (SUPER WOOFER)**

㉒ **Volume control (VOL)**

㉓ **Cassette holder open button (▲ OPEN)**

㉔ **Cassette holder**

㉕ **Tuner, band select button (TUNER, BAND)**
Press to select TUNER as the source.
Lights when TUNER is selected as the source.

㉖ **Disc/tape stop, tuning mode select button (■, TUNE MODE)**

㉗ **Disc skip/search, tape fast-forward/rewind/TPS, tune/time adjust buttons (I◀◀/◀◀, ∨, ▶▶/▶▶I, ∧)**

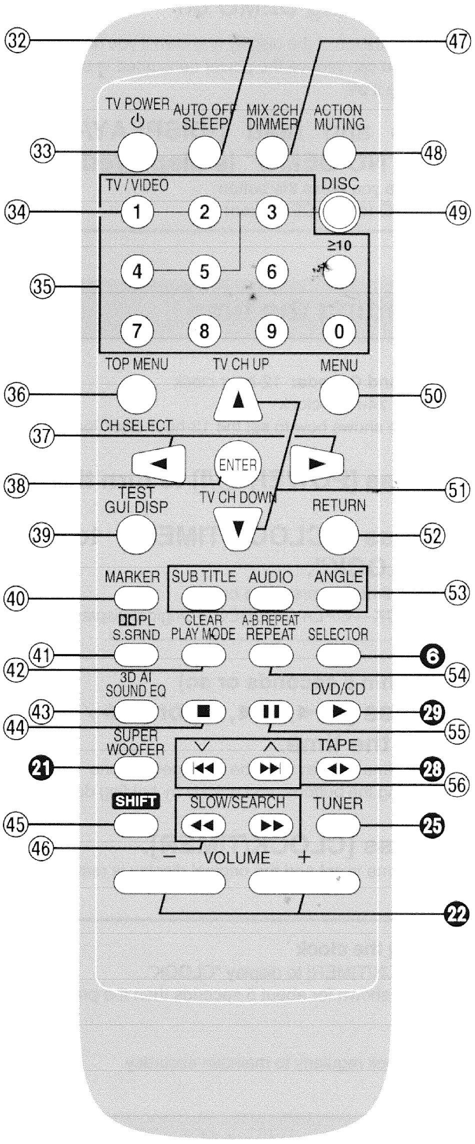
㉘ **Tape play button (TAPE ◀ ▶)**
Press to select TAPE as the source.
Lights when TAPE is selected as the source.

㉙ **Disc play button (DVD/CD ▶)**
Press to select DVD/CD as the source.
Lights when DVD/CD is selected as the source.

㉚ **Disc pause, memory button (❚❚, MEMORY)**

For China, the Middle East, South Africa and Asia

㉛ **Microphone jacks**


㉜
㊼
TV POWER
AUTO OFF
SLEEP
MIX 2CH
DIMMER
ACTION
MUTING
㉝
㊽
TV / VIDEO
DISC
㉞
㊾
㉟
≥10
1
2
3
4
5
6
7
8
9
0
TOP MENU
TV CH UP
MENU
㊱
㊿
CH SELECT
㊲
ENTER
㊳
(51)
TEST
GUI DISP
TV CH DOWN
RETURN
㊴
(52)
MARKER
SUB TITLE
AUDIO
ANGLE
㊵
(53)
□□PL
S.SRND
CLEAR
PLAY MODE
A-B REPEAT
REPEAT
SELECTOR
㊶
❻
㊷
(54)
3D AI
SOUND EQ
DVD/CD
㊸
㉙
㊹
(55)
SUPER
WOOFER
TAPE
㉑
㉘
(56)
SHIFT
SLOW/SEARCH
TUNER
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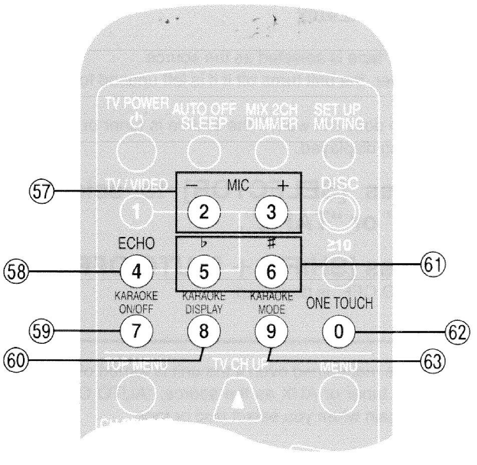
㉕
㊻
VOLUME
㉒


TV POWER
AUTO OFF
SLEEP
MIX 2CH
DIMMER
SET UP
MUTING
TV / VIDEO
DISC
(57)
− MIC +
ECHO
≥10
(58)
(61)
KARAOKE
ON/OFF
KARAOKE
DISPLAY
KARAOKE
MODE
ONE TOUCH
(59)
(62)
(60)
(63)
TOP MENU
TV CH UP
MENU

Front panel controls

Remote control

The illustration shows the remote control for areas except Australia, N.Z., China, the Middle East, South Africa and Asia.

Buttons such as ❻ function in the same way as the controls on the main unit.

㉜ Sleep button (SLEEP)
㉝ Standby/on switch (⏻)
㉟ Numbered buttons (0–9, ≥10)
㊱ Top menu button (TOP MENU)
㊲(51) Cursor buttons (◀, ▶, ▲, ▼)
㊳ Enter button (ENTER)
㊴ GUI display button (GUI DISP)
㊵ Marker button (MARKER)
㊶ Super surround button (S.SRND)
㊷ Play mode select button (PLAY MODE)
㊸ Sound EQ button (SOUND EQ)
㊹ Stop button (■)
㊺ Shift button (SHIFT) See below.
㊻ Disc slow/search button (SLOW/SEARCH ◀◀, ▶▶)

㊼ Display dimmer button (DIMMER)
㊽ Muting button (MUTING)
㊾ Disc button (DISC)
㊿ Menu button (MENU)
(52) Return button (RETURN)
(53) Subtitle/audio/angle buttons (SUB TITLE) (AUDIO) (ANGLE)
(54) Repeat button (REPEAT)
(55) Pause button (❚❚)
(56) Disc skip, tape fast-forward/rewind/TPS, tuning button (|◀◀, ∨, ▶▶|, ∧)

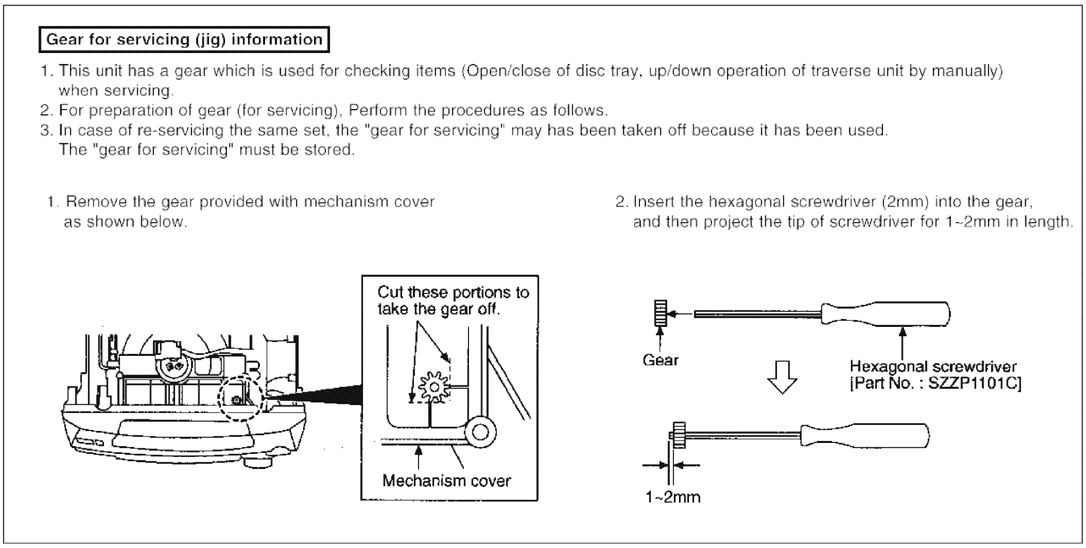
To operate functions labeled in orange, press [SHIFT] (㊺) and the corresponding button at the same time.

㉜ Auto power-off button (AUTO OFF)
㉝ TV power on/off button (TV POWER)
㉞ TV/video input mode select button (TV/VIDEO)
㊱ Channel select button (CH SELECT)
㊴ Test signal button (TEST)
㊶ DOLBY PRO LOGIC button (□□PL)
㊷ Clear button (CLEAR)
㊸ Super 3D AI EQ button (3D AI)
㊼ 2 channel down-mixing button (MIX 2CH)
㊽ Initial settings button (ACTION)
This button is labeled "SET UP" on the remote control for Australia, N.Z., China, the Middle East, South Africa and Asia.
(51) TV channel select buttons (TV CH UP, TV CH DOWN)
(54) A-B repeat button (A-B REPEAT)

The numbered buttons are also used for karaoke functions on the remote control for China, the Middle East, South Africa and Asia.

(57) Microphone volume buttons (− MIC +)
(58) Echo button (ECHO)
(59) Karaoke on/off button (KARAOKE ON/OFF)
(60) Karaoke GUI display button (KARAOKE DISPLAY)
(61) Key control buttons (♭, #)
(62) One touch karaoke button (ONE TOUCH)
(63) Karaoke mode select button (KARAOKE MODE)

8. Disassembly and Main Component Replacement Procedures



Gear for servicing (jig) information

1. This unit has a gear which is used for checking items (Open/close of disc tray, up/down operation of traverse unit by manually) when servicing.
2. For preparation of gear (for servicing), Perform the procedures as follows.
3. In case of re-servicing the same set, the "gear for servicing" may has been taken off because it has been used. The "gear for servicing" must be stored.

1. Remove the gear provided with mechanism cover as shown below.

2. Insert the hexagonal screwdriver (2mm) into the gear, and then project the tip of screwdriver for 1~2mm in length.

"ATTENTION SERVICER"

Some chassis components may have sharp edges.
Be careful when disassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures.**
   Special reassembly procedures are described only when required.
3. **Select items from the following index when checks or replacement are required.**

Contents

- **Checking Procedure For Each Major P.C.B.**
  1. **Checking of the Main, Panel, Deck and Power P.C.B.**
  2. **Checking for the DVD F/E Module P.C.B.**
  3. **Disassembly for the DVD Changer Unit.**
- **Main Component Replacement Procedures**
  1. **Replacement of the Traverse Deck.**
  2. **Replacement of the Power Amplifier IC.**
- **Disassembly and assembly of the Traverse Unit**
- **Disassembly and assembly of the Disc Tray**

ACHTUNG:

Die Lasereinheit nicht zerlegen.
Die Lasereinheit darf nur gegen eine vom Hertsteller spezifizierte

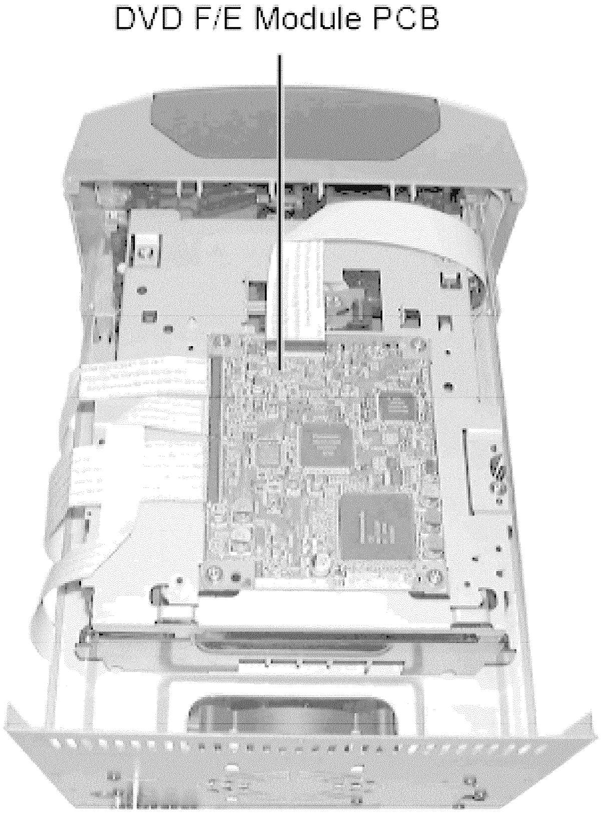
Einheit ausgetauscht werden.

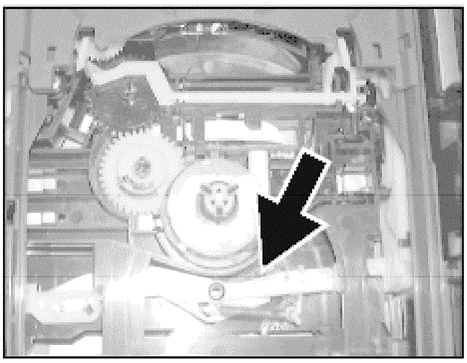
8.1. Disassembly Procedure for each major P.C.B. Checking

8.1.1. Checking of the DVD Servo, Main, Transformer, Panel and Deck P.C.B.

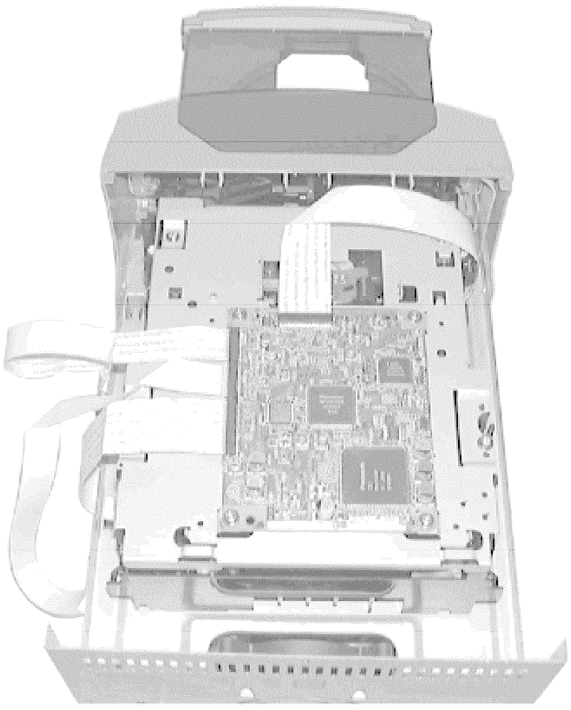
Step 1 Remove the top cabinet.

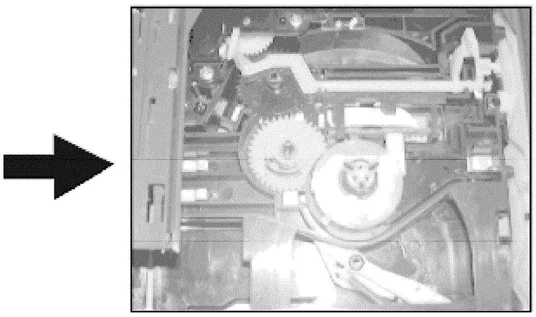
Step 2 Push lever in the direction of arrow.

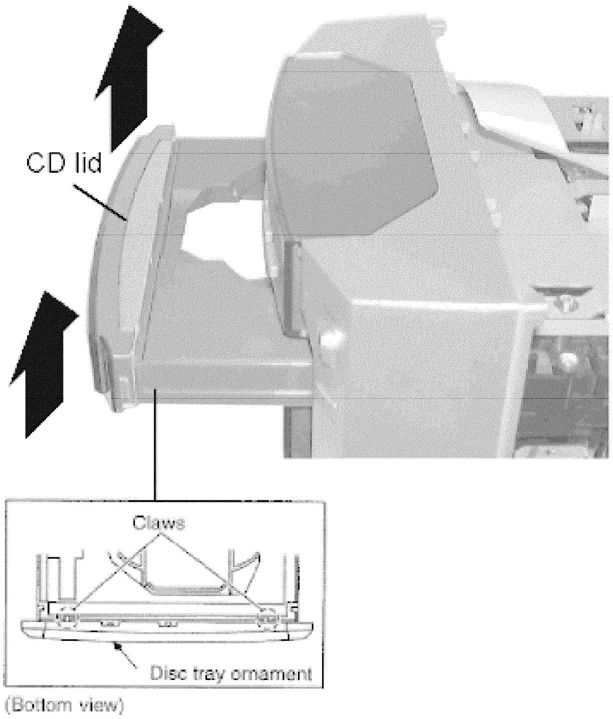


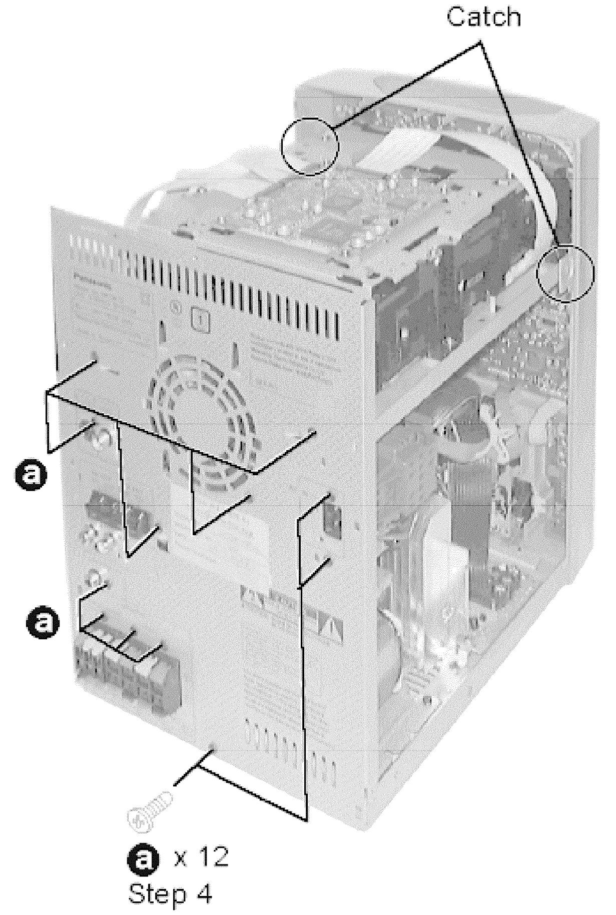


Step 3 Pull out the CD tray as shown. Release the 2 claws and remove the CD lid. Push back the CD tray after the CD lid has been removed.

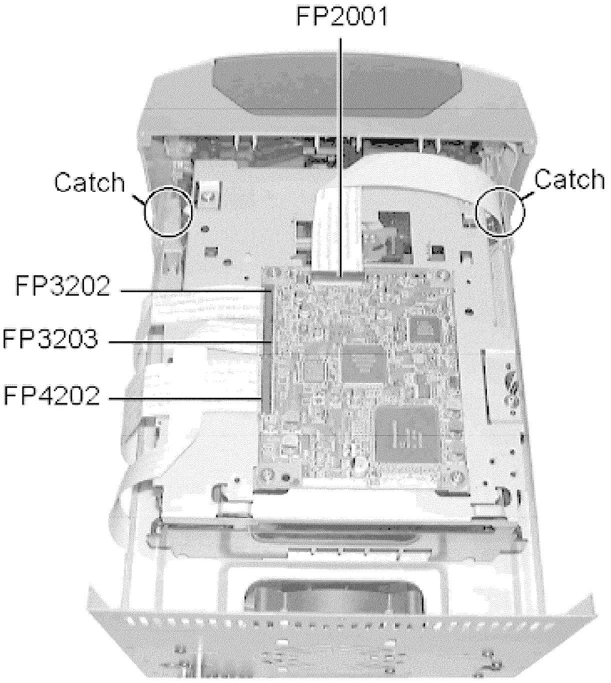





CD lid
Claws
Disc tray ornament
(Bottom view)


Catch
a
a
a x 12
Step 4

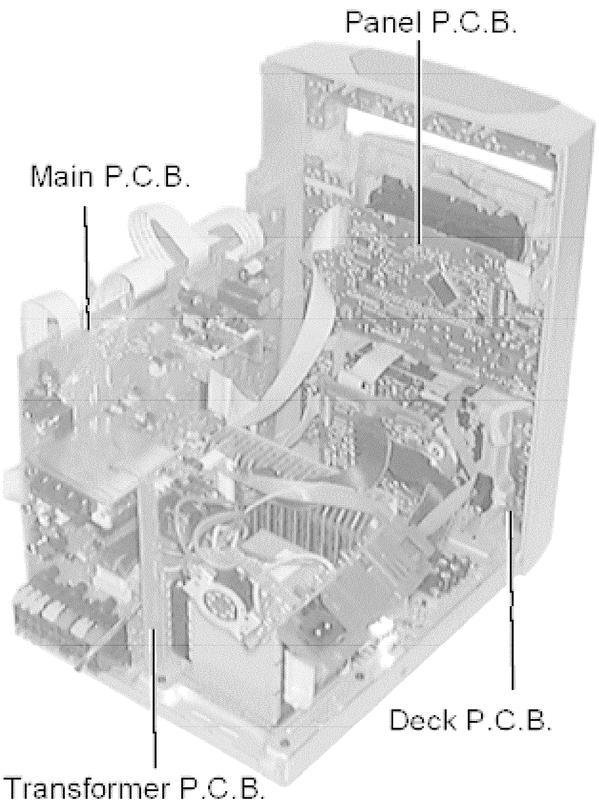
Step 4 Remove 12 screws and catches both side.

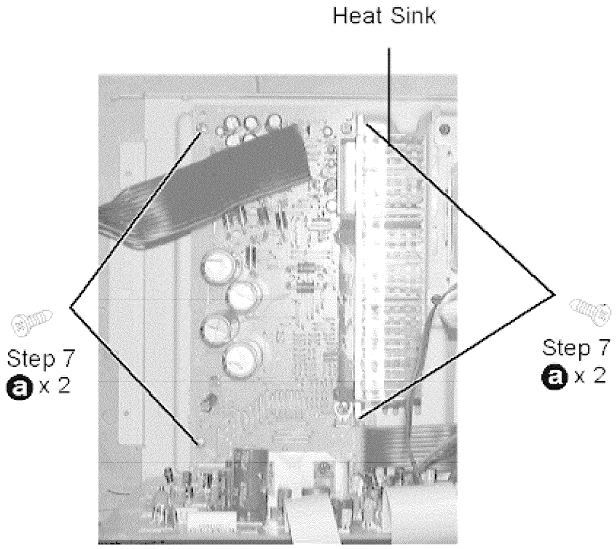

FP2001
Catch
Catch
FP3202
FP3203
FP4202

Step 5 Remove the wires at FP2001, FP3202, FP3203, and FP4202.

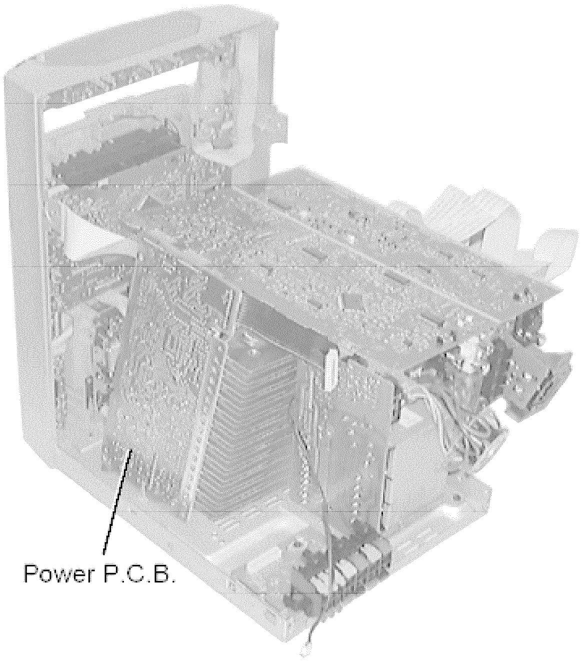
Step 6 Release the wire from catch, remove the CD changer base together with the CD changer.

- Checking for Panel P.C.B., Main P.C.B. and Deck P.C.B..


Panel P.C.B.
Main P.C.B.
Deck P.C.B.
Transformer P.C.B.


Heat Sink
Step 7
ⓐ x 2
Step 7
ⓐ x 2

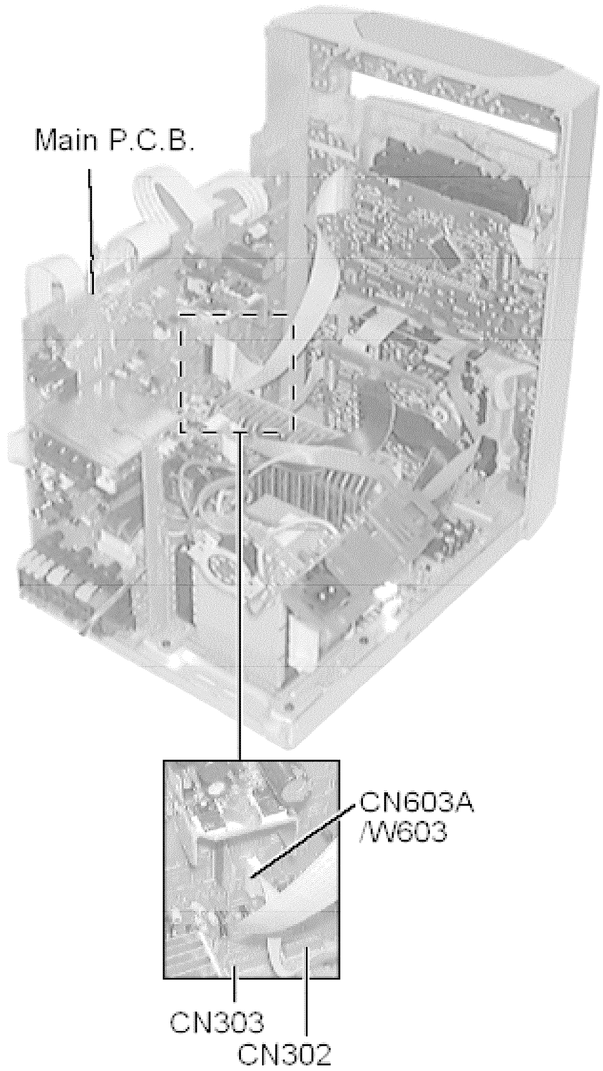
- Checking for Power P.C.B.

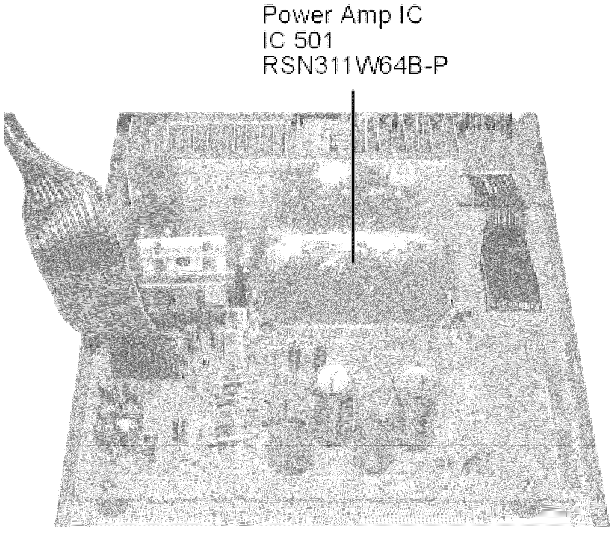


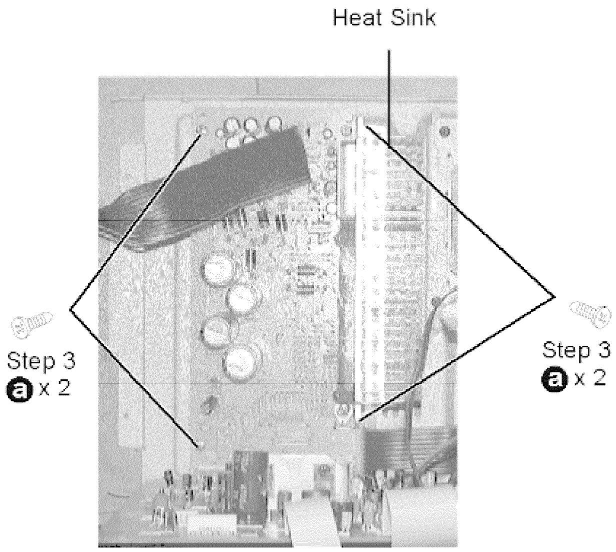
- Replacement of the Power Amplifier IC and Regulator Transistor.

Step 1 Follow the procedures in "Checking procedure for each major P.C.B.

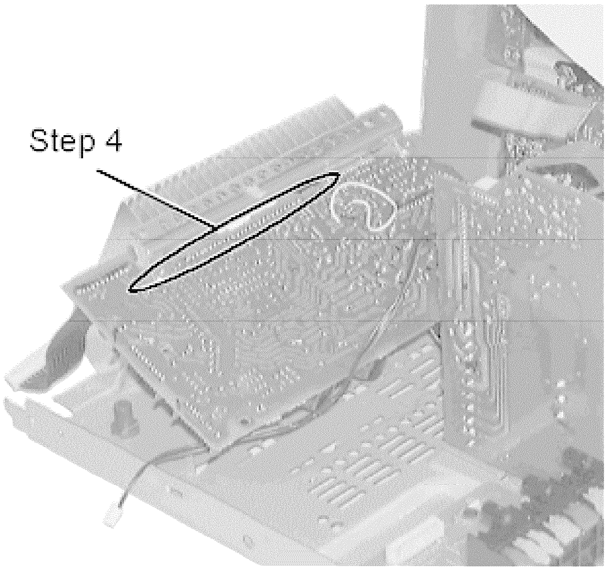
Step 2 Remove the wires at CN302, CN303 and H603A/W603 and pull out the Main P.C.B..


Main P.C.B.
CN603A
/W603
CN303
CN302


Power Amp IC
IC 501
RSN311W64B-P

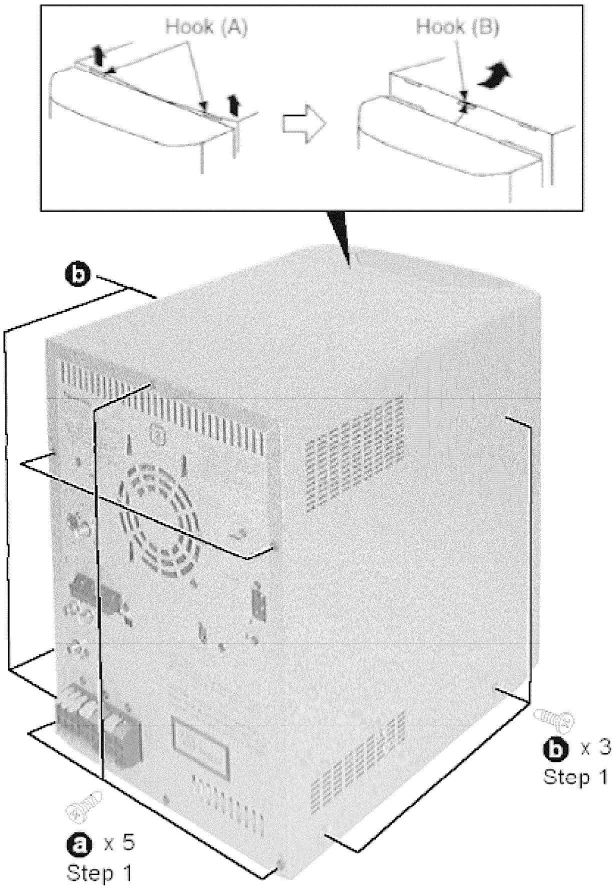

Heat Sink
Step 3
a x 2
Step 3
a x 2

Step 3 Remove 4 screws fixed to the Power Amplifier IC and Transistor Holders.



Step 4 Unsolder the terminals of Power Amp IC and replace the component.

8.2. Checking for the Main and DVD F/E Module (1/2) P.C.B.

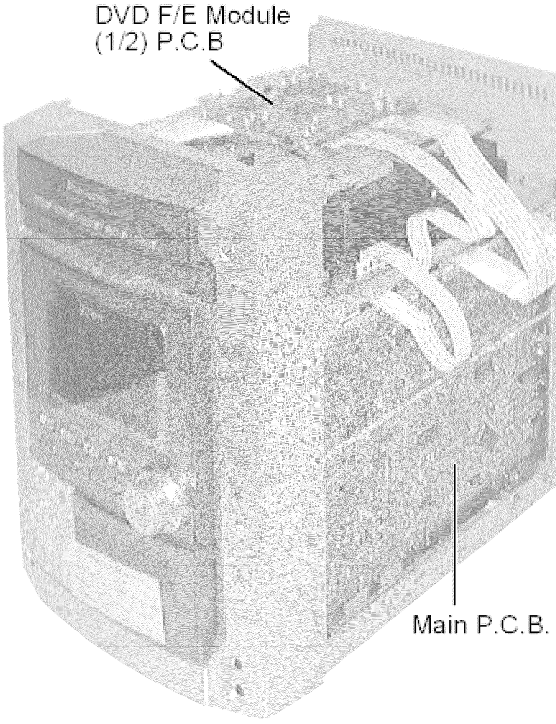


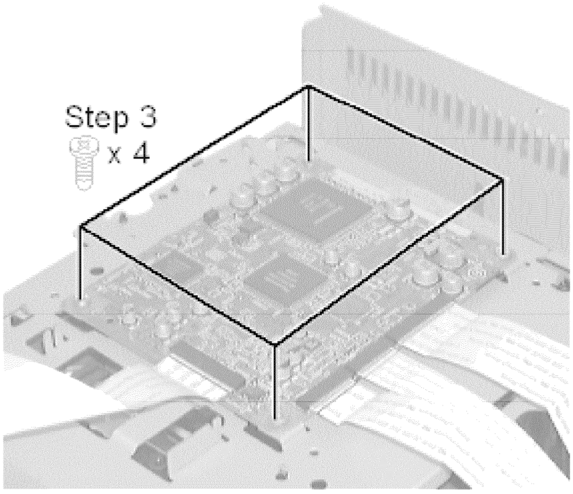
Step 1 Remove 3 screws each both side and 5 screws at rear panel.

Step 2 Lift up the both sides cabinet ass'y to release the hook (A). Then pull the cabinet ass'y toward the rear and release the hook (B) to remove the cabinet ass'y.

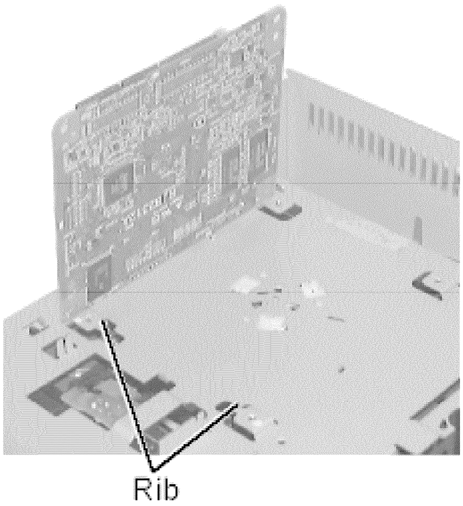
NOTE: When installing the cabinet ass'y, take care not to damage the front cabinet ass'y from hook (B).

- Check the Main P.C.B. and DVD F/E Module (1/2) P.C.B..


DVD F/E Module
(1/2) P.C.B
Main P.C.B.



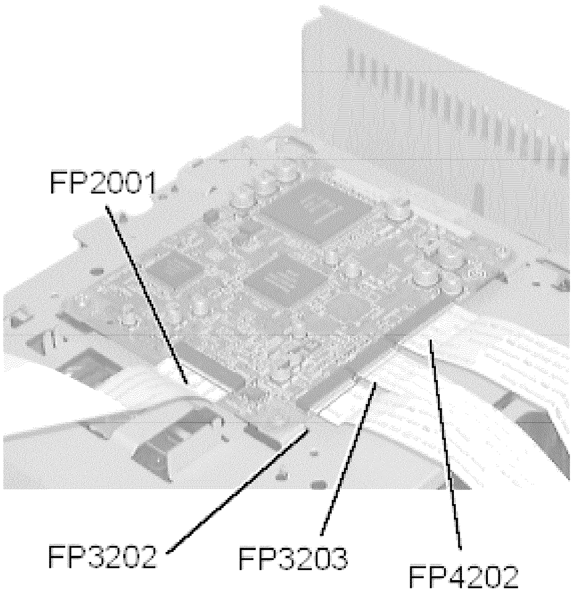
Step 3 Remove 4 screws.
Step 4 Remove 4 connectors.
Step 5 Pull out 4 FFCs.



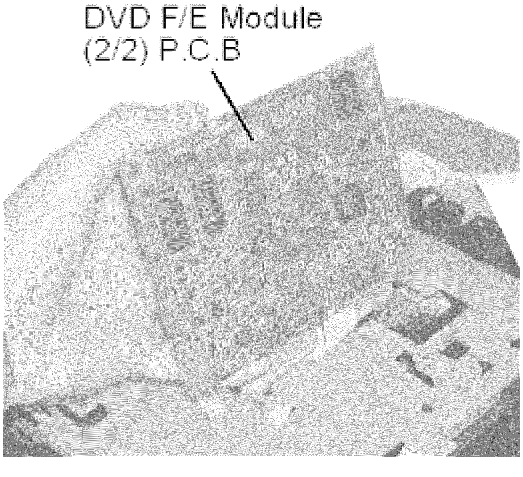
Step 6 Raise the DVD Module P.C.B..

- Checking the DVD F/E Module (2/2) P.C.B. as shown below.

Step 7 Disconnect the FFCs to the connector.


FP2001
FP3202
FP3203
FP4202

Step 8 Lift up DVD F/E Module (2/2) P.C.B. as shown.

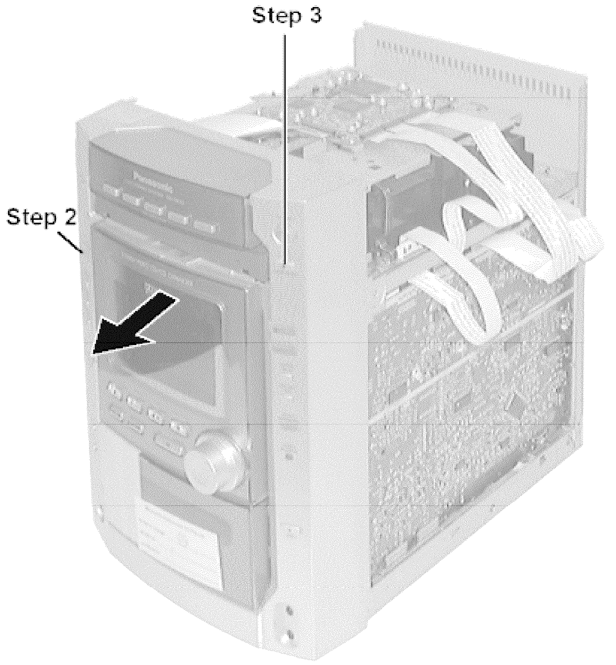

DVD F/E Module
(2/2) P.C.B

8.3. Disassembly for DVD/CD changer unit

8.3.1. Disassembly for the disc tray ornament

- Follow the (Step 1) - (Step 3) of item 8.1

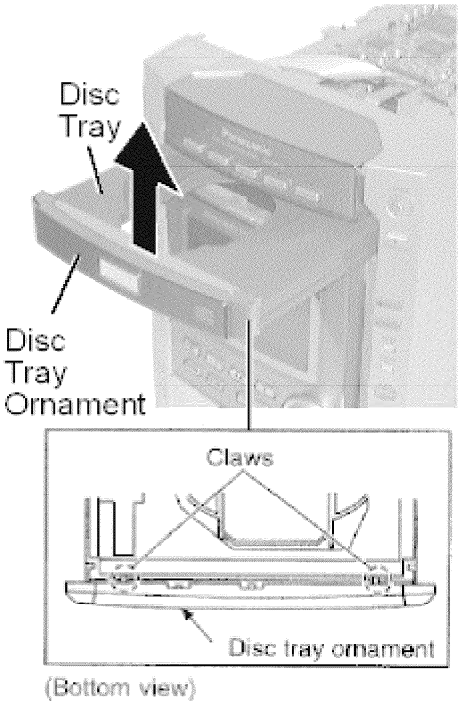
When opening the disc tray automatically


Step 3
Step 2

Step 1 Connect the power.

Step 2 Push the button and the power turns ON.

Step 3 Push the open/close button, so the disc tray will be open automatically. (If the other buttons would be push, disc tray would be open.)

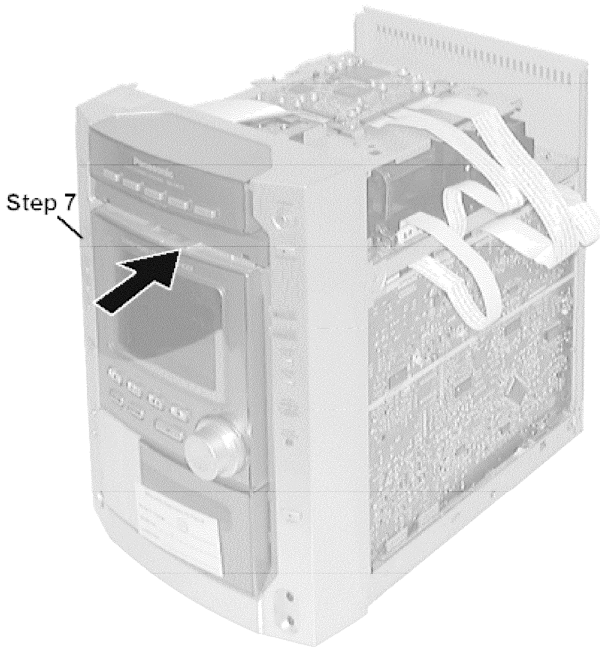

Disc
Tray
Disc
Tray
Ornament
Claws
Disc tray ornament
(Bottom view)

Step 4 Disconnect the power.

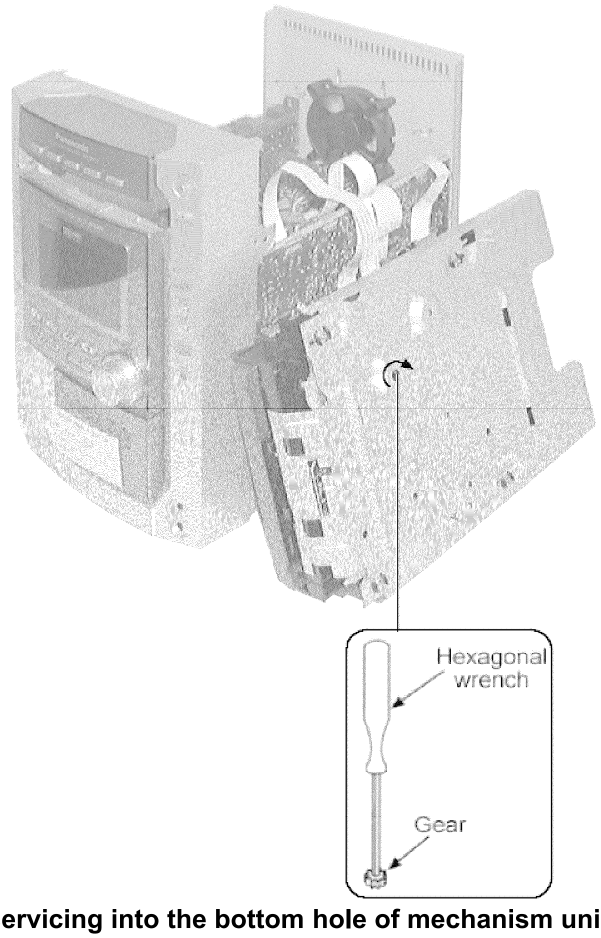
Step 5 Release the 2 claws, and then remove the disc tray ornament.

Step 6 Connect the power again.

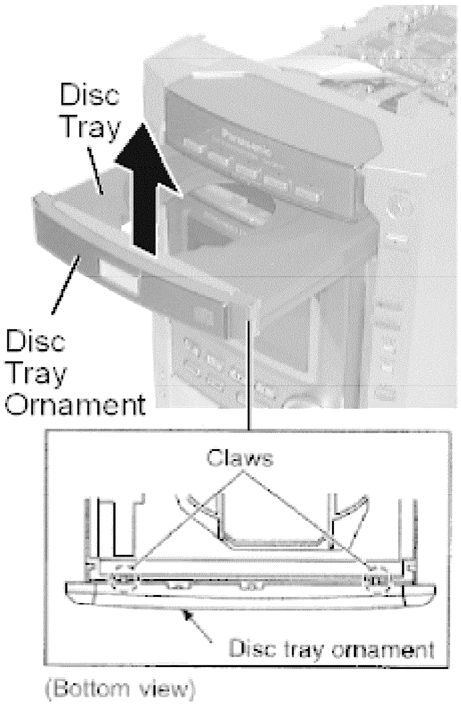
Step 7 Push the button and the power turns ON.



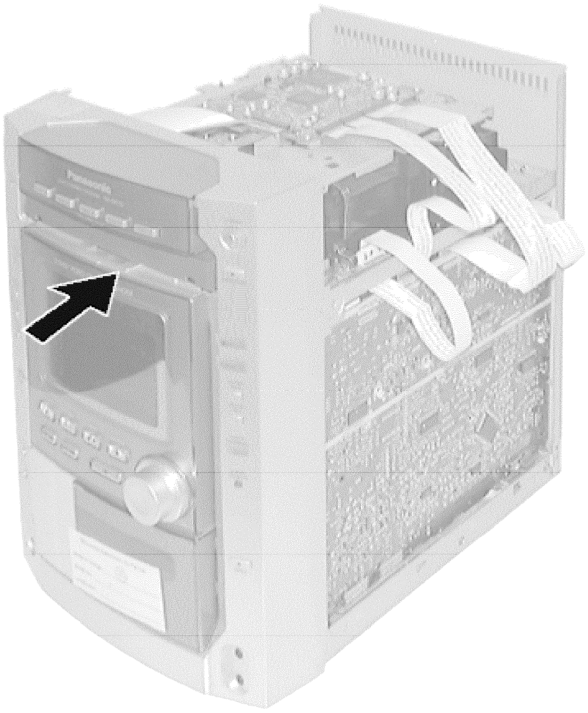
Step 8 Push the open/close button1, so the disc tray will be close.
When opening the disc tray manually
Step 1 Off the unit.



Step 2 Insert the gear for servicing into the bottom hole of mechanism unit cover, and then rotate the hexagonal wrench clockwise so the disc tray will be open.


Disc
Tray
Disc
Tray
Ornament
Claws
Disc tray ornament
(Bottom view)

Step 3 Release 2 claws, and then remove the disc tray ornament.



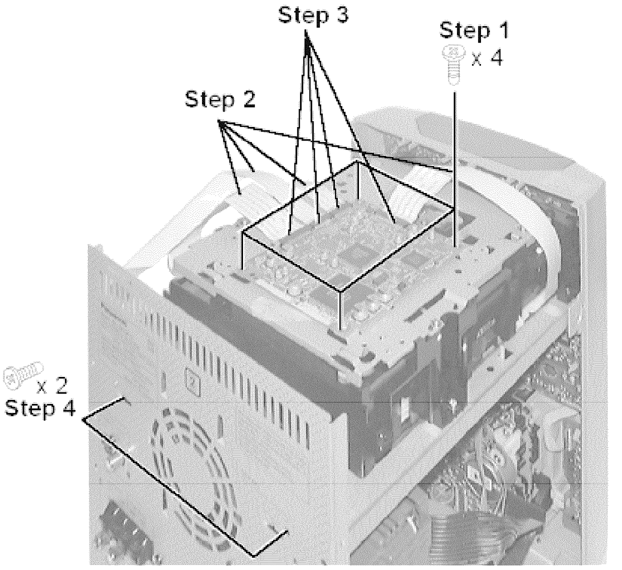
Step 4 Push the disc tray.

8.3.2. Disassembly for the DVD/CD changer unit.

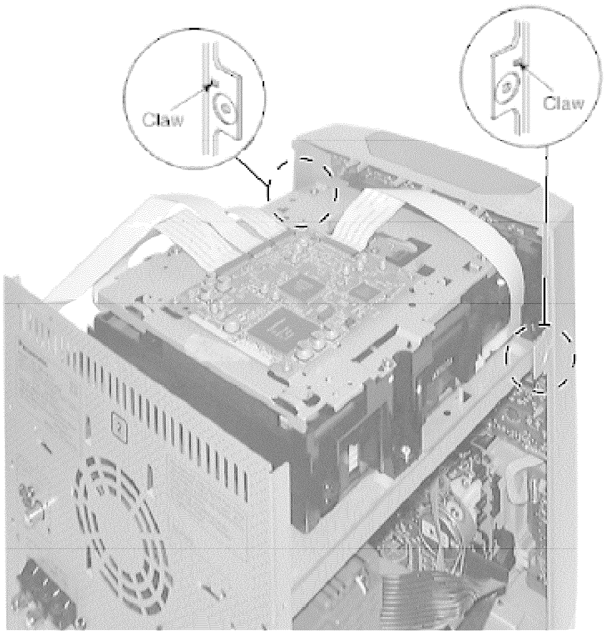
- Follow the (Step 1) - (Step 3) of item 8.1

- Follow the disassembly instruction for the disc tray ornament .

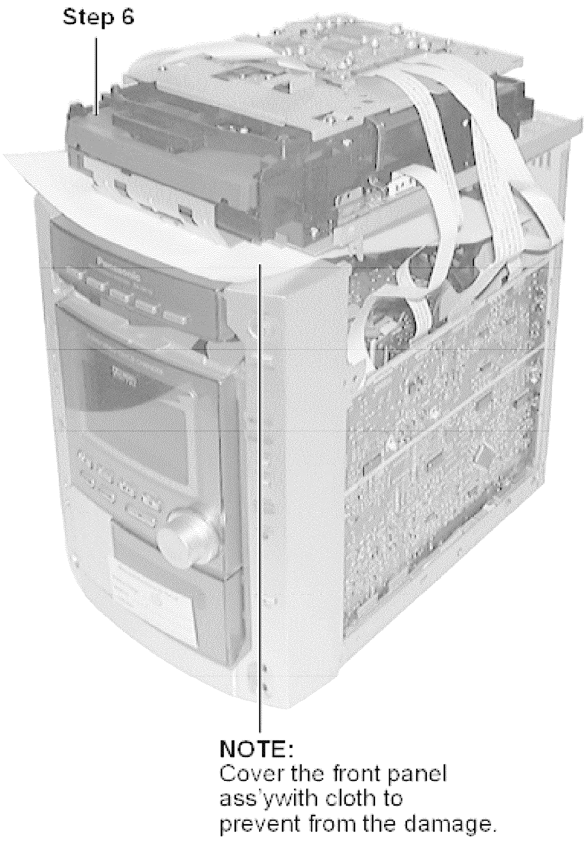
Step 1 Remove 4 screws.
Step 2 Pull out 4 FFCs.
Step 3 Remove 4 connectors.
Step 4 Remove 2 screws at rear panel.


Step 3
Step 1
x 4
Step 2
x 2
Step 4

Step 5 Release the claws of both ends, and then lift up the DVD changer unit.



Step 6 Remove the DVD/CD changer and place the DVD/CD changer unit on the unit.

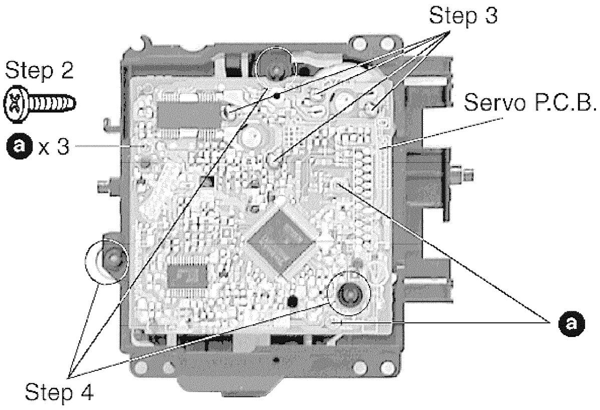

Step 6
NOTE:
Cover the front panel
ass'ywith cloth to
prevent from the damage.

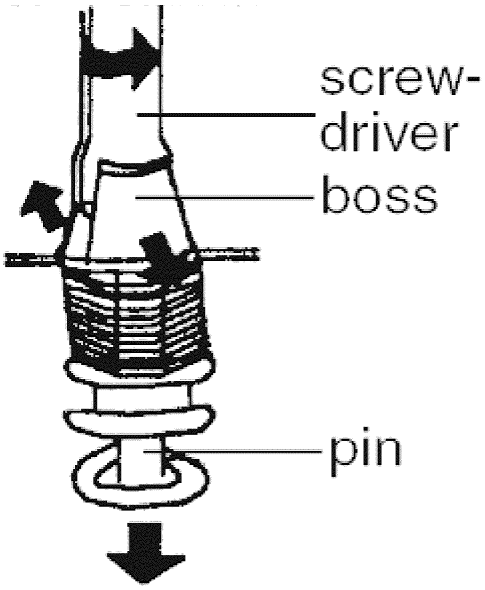
The preparation of checking procedures in operational condition is completed.

8.4. Main Component Replacement Procedures

1. Replacement of the Traverse Deck

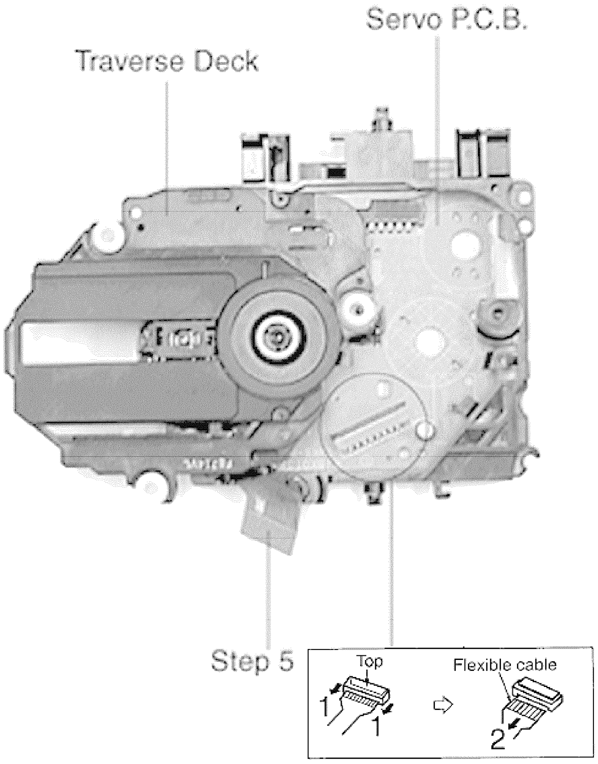
Step 1 Follow the procedures in 'Disassembly of the Traverse Unit' (Step 1 - Step 4)

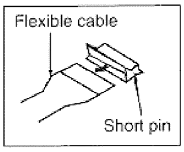

Step 3
Step 2
ⓐ x 3
Servo P.C.B.
ⓐ
Step 4


screw-
driver
boss
pin

Step 3 Desolder the 4 legs of the 2 motors and pull out the Servo P.C.B.

Step 4 Widen the 3 bosses with a flat screwdriver and pull out the 3 pins. Then remove the Traverse Deck.


Servo P.C.B.
Traverse Deck
Step 5
Top
Flexible cable
1
1
2


Flexible cable
Short pin

Step 5 Remove the flexible cable CN 701.

- **Removal of the flexible cable. Push the top of the connector in the direction of the arrow 1, and then pull out the flexible cable in the direction of the arrow 2.**

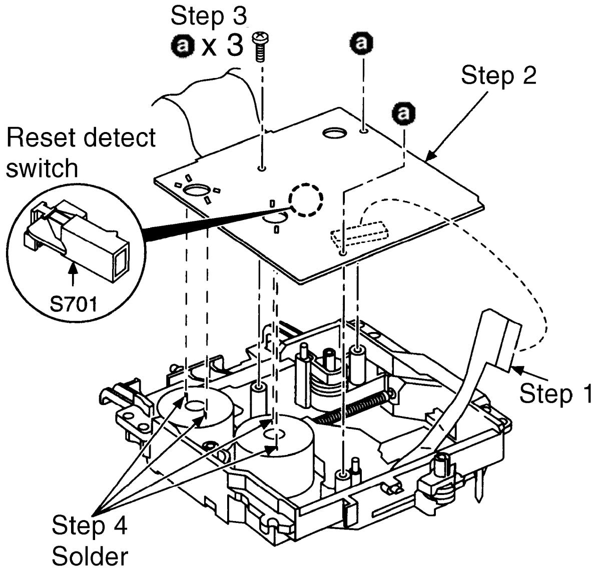
Note:

Insert a short pin into the flexible cable for traverse unit.

- Installation of the CD servo P.C.B. after replacement

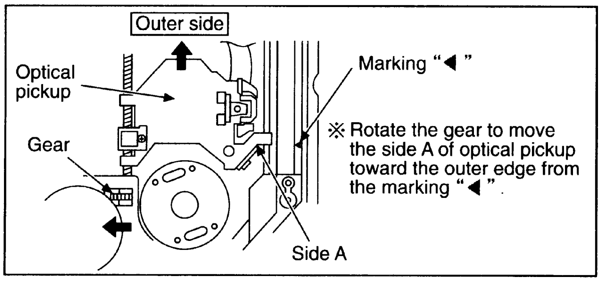
Step 1 Connect the FFC board.

Step 2 Install the CD servo P.C.B. in the traverse deck assembly.


Step 3
a x 3
a
a
Step 2
Reset detect switch
S701
Step 1
Step 4
Solder

Note:

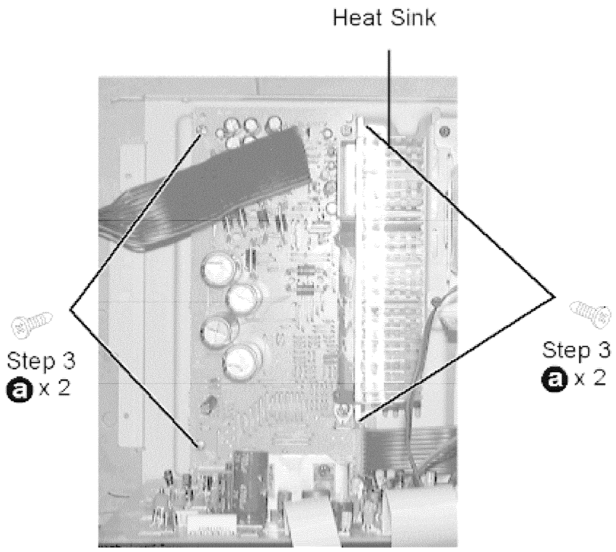
Before installing the CD servo P.C.B., move the optical pickup towards the outer edge from the marking (black triangle). [Otherwise, the reset detect switch (S701) mounted on the CD servo P.C.B. may be damaged.]


Outer side
Optical pickup
Gear
Marking "◀ "
Side A

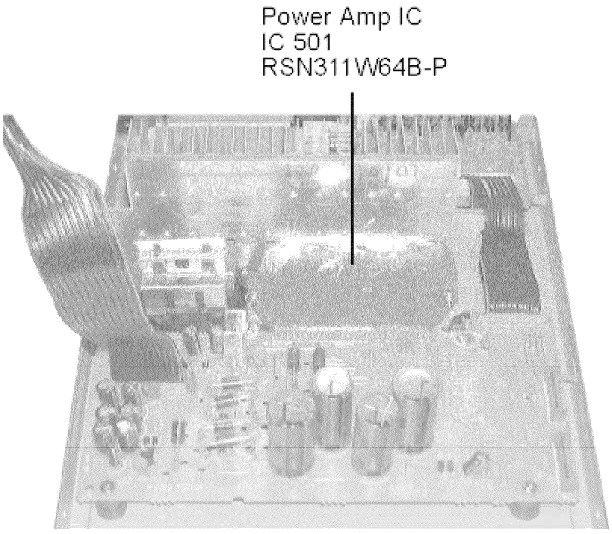
※ Rotate the gear to move the side A of optical pickup toward the outer edge from the marking "◀ ".

2. Replacement of the Power Amplifier IC

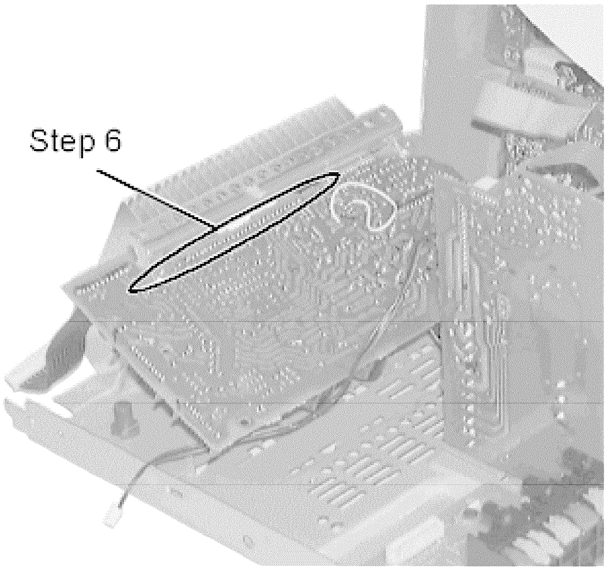
Step 1 Follow the procedures in 'Checking Procedure for each major P.C.B.' (Step 1 - Step 4).


Heat Sink
Step 3
a x 2
Step 3
a x 2

Step 2 Remove the wires at CN302, CN303 and CN304 and pull out the Main P.C.B.
Step 3 Remove 4 screws fixed to the Power Amplifier IC.


Power Amp IC
IC 501
RSN311W64B-P

Step 4 Unsolder the terminals of Power Amp IC and replace the respective component.

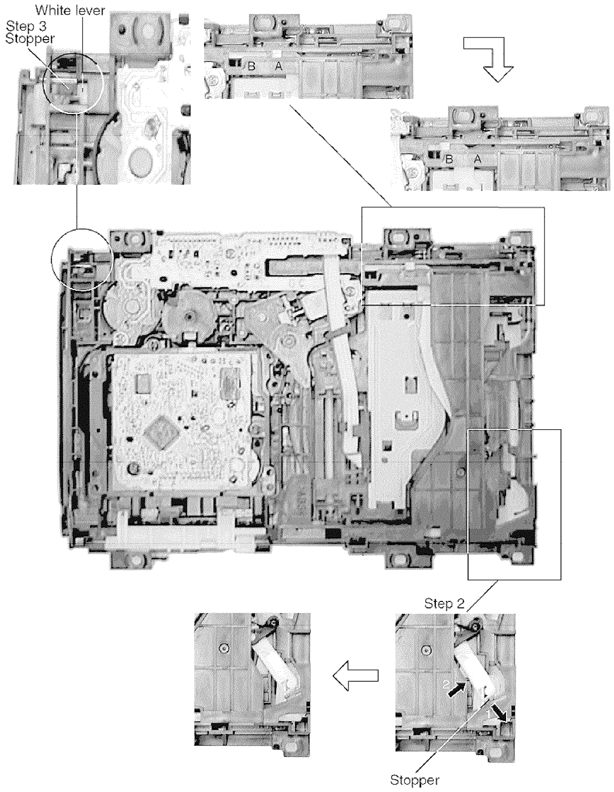


8.5. Disassembly and assembly of the Traverse Unit

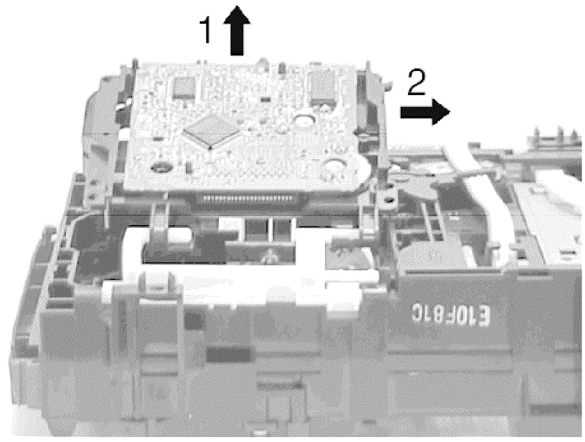
Step 1 Push the lever from position A to B.

Step 2 Pull the stopper (black) in the direction of arrow 1 and push the lever in the direction of arrow 2.

Step 3 Push the stpeer (black) down until the white lever eject out.



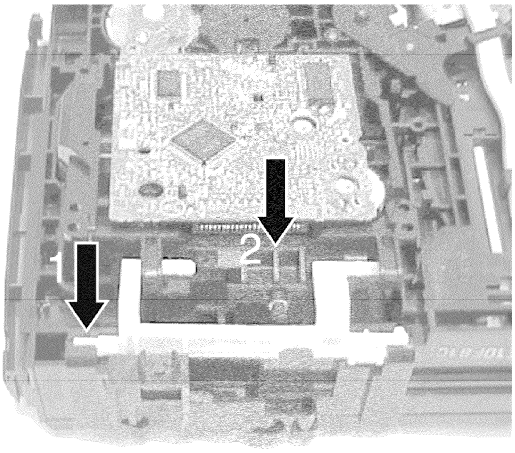
Step 4 Lift up the traverse unit and slide out the unit as shown.



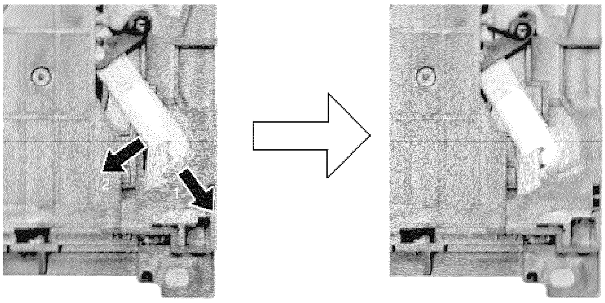
- Replacement of Traverse Unit

Step 1 Place the traverse unit as shown.

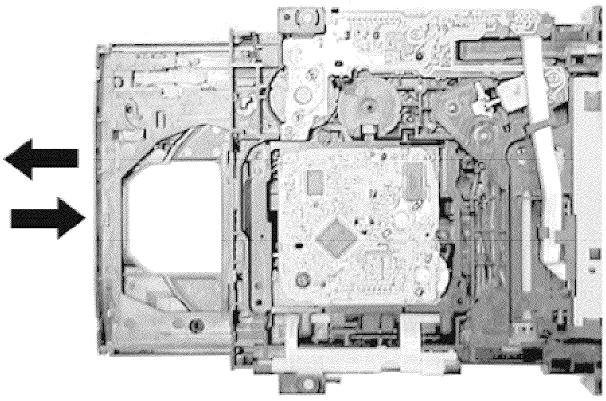
Step 2 Press in the lever shaft in the direction of arrow 1 as shown and push the traverse unit into the position in the direction of arrow 2.



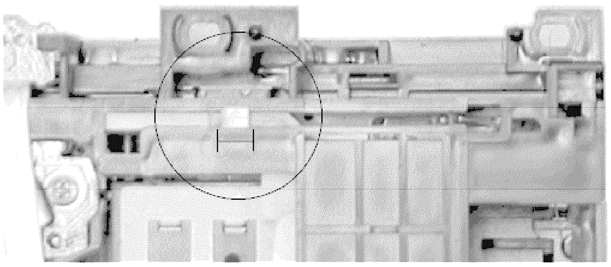
Step 3 Pull the stopper in the direction of arrow 1 and release the lever in the direction of arrow 2 as shown.



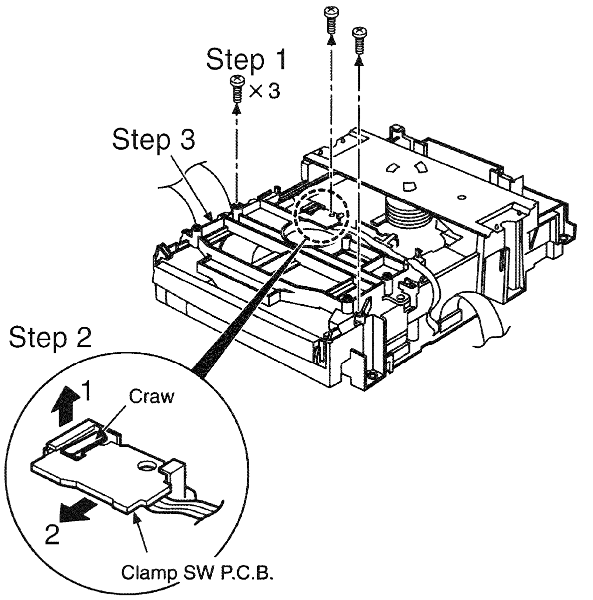
Step 4 Pull out the tray half way and push it back fully.



Step 5 Push the lever to the initial position indicated ‘I---I’.

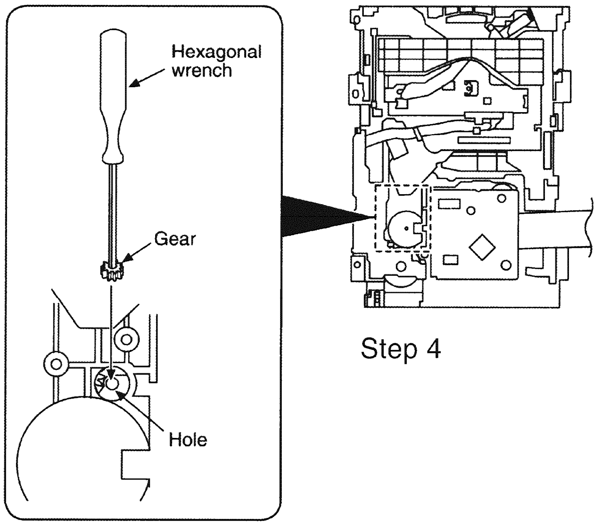


8.6. Disassembly and assembly of the Disc Tray

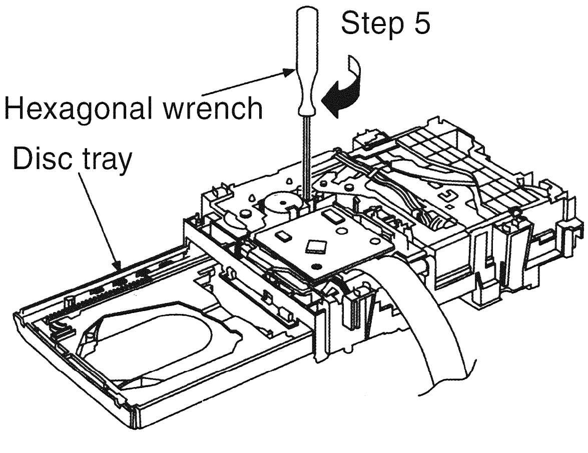

Step 1
×3
Step 3
Step 2
1
Craw
2
Clamp SW P.C.B.

Step 2 With lifting the claw in the direction of arrow 1, draw the clamp SW P.C.B. in the direction of arrow 2.

Step 3 Remove the mechanism cover.

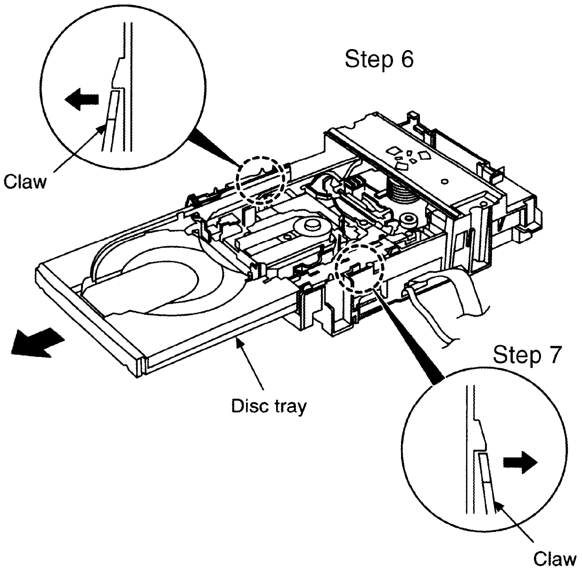

Hexagonal wrench
Gear
Hole
Step 4

Step 4 Insert the gear with hexagonal wrench into the hole.

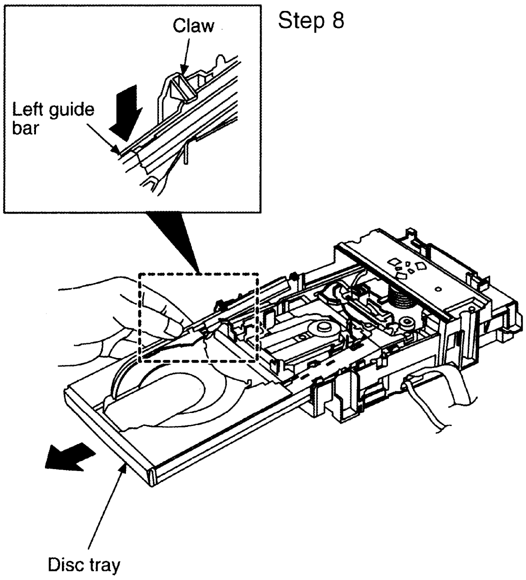

Step 5
Hexagonal wrench
Disc tray

Step 5 Rotate the hexagonal wrench in the direction of arrow (clockwise), and then open the disc tray

fully.

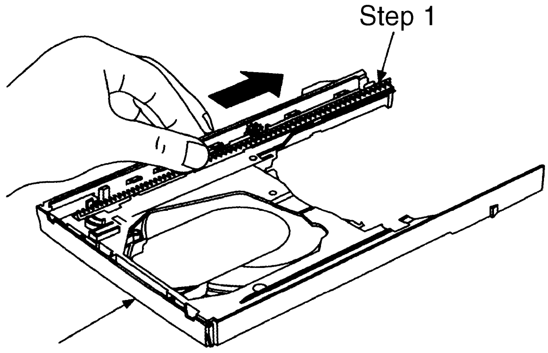

Step 6
Claw
Disc tray
Step 7
Claw

Step 6 Upset the CD changer unit again.
Step 7 Release both the claws, and then draw the disc tray.

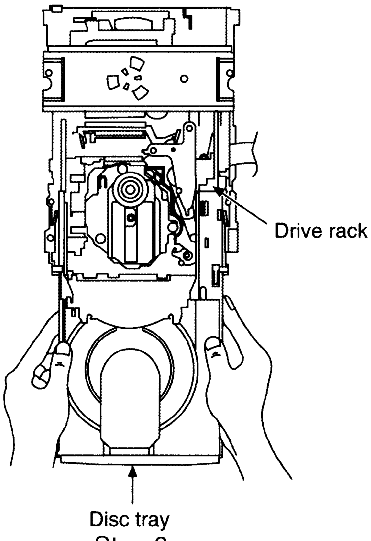

Claw
Step 8
Left guide bar
Disc tray

Step 8 With forcing the left guide bar manually because the left guide bar interfers with claw, draw the disc tray.

- Installation of the disc tray after replacement


Step 1
Disc tray

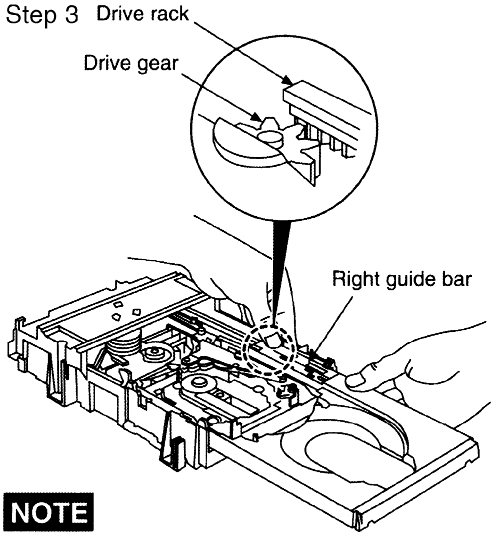
Step 1 Slide the drive rack fully in the direction of arrow.


Drive rack
Disc tray

Step 2

Step 2 Holding the drive rack not to move, install the disc tray.

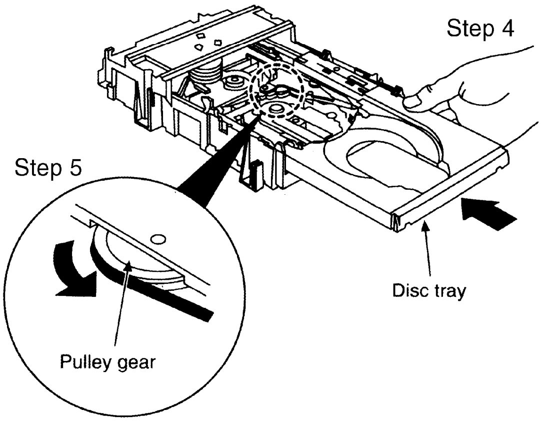
Step 3


Drive rack
Drive gear
Right guide bar

NOTE

Force the right guide bar of tray base manually not to move upwards.

Step 3 Align the drive rack with the driver gear.

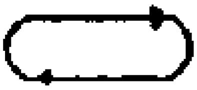


Step 4 Holding the disc tray manually, rotate the pulley gear in the direction of arrow.
Step 5 Rotate the gear 5 or 6 times manually, and then push the disc tray.

9. Measurements and Adjustments

9.1. Cassette Deck Section

- Measurement Condition

- Reverse-mode selector switch: 

- Tape edit: NORMAL

- Record timer: OFF

- Make sure head, capstan and press roller are clean.

- Judgeable room temperature 20 ± 5 °C (68 ± 9°F)

- Measuring instrument

- EVM (Electronic Volmeter)

- Digital quency counter

- Test Tape

- Head azimuth adjustment (8 kHz, -20 dB); QZZCFM

- Tape speed gain adjustment (3 kHz, -10 dB); QZZCWAT

- Playback gain adjustment (315 Hz, 0 dB); QZZCFM

- CrO2 tape, QZZCRX

9.1.1. Head Azimuth Adjustment

Note :

If you wish to readjust the head azimuth, be sure to adjust with adhering the casette tape closely to the mechanism by pushing the cebter of cassette tape with your finger. (Shown in Fig. 1)

1. **Connect the measuring instrument as shown in Fig. 2.**
2. **Replace azimuth screws for both forward and reverse direction after removing the screw-locking bond left on the head base.**

3. **Playback the azimuth adjustment portion(8kHz, -20dB) of test tape(QZZCFM). Adjust the azimuth adjusting screw until the outputs of the L/Rch are maximized. (Refer to Fig. 3)**
   Make sure that the difference in the peak level between the left and right channels does not exceed 5dB.
4. **Perform the same adjustment in reverse playback mode.**
   Check of the level difference forward and reverse directions
5. **Playback the playback gain adjustment portion(315Hz, 0dB) of test tape(QZZCFM). Check if level difference between forward and reverse direction is within 1.5dB.**
6. **After the adjustment, apply screwlock to the azimuth adjusting screw.**

Fig. 1

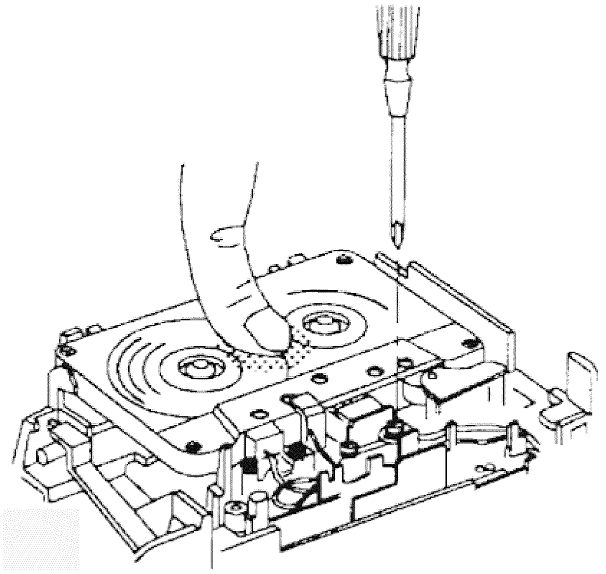


Fig. 2

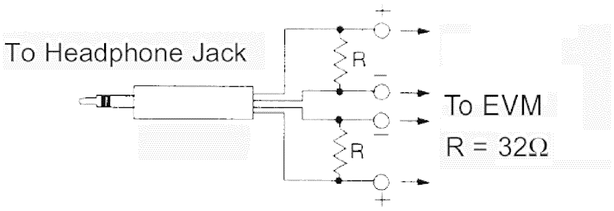
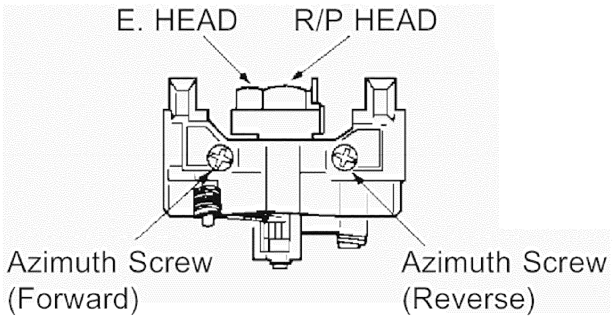


Fig. 3

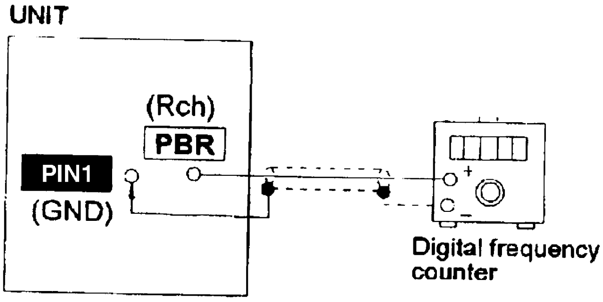

E. HEAD
R/P HEAD
Azimuth Screw
(Forward)
Azimuth Screw
(Reverse)

9.1.2. Tape Speed Adjustment (Deck 1/2)

1. **Set the tape edit button to "NORMAL" position.**
2. **Insert the test tape (QZZCWAT) to DECK and playback (FWD side) the middle portion of it.**
3. **Adjust Motor VR for the output value shown below.**

Adjustment target: 2940 ~ 3060 Hz **(NORMAL speed)**

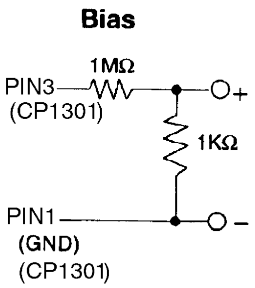
4. **After alignment, assure that the output frequency of the DECK REV is within ±45 Hz respectively of the value of the output frequency of DECK FWD.**

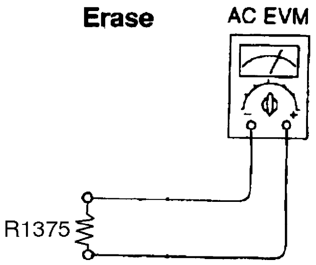

UNIT
(Rch)
PBR
PIN1
(GND)
+
C
Digital frequency
counter

9.1.3. Bias and Erase Voltage Check

1. **Set the unit "AUX" position.**
2. **Insert the Normal blank tape (QZZCRA) into DECK and the unit to "REC" mode (use " ● REC/PAUSE" key).**
3. **Measure and make sure that the output is within the standard value.**

Bias voltage	**16 ± 4mV (Normal)**
Erase voltage for Deck 2	**more than 80mV (Normal)**

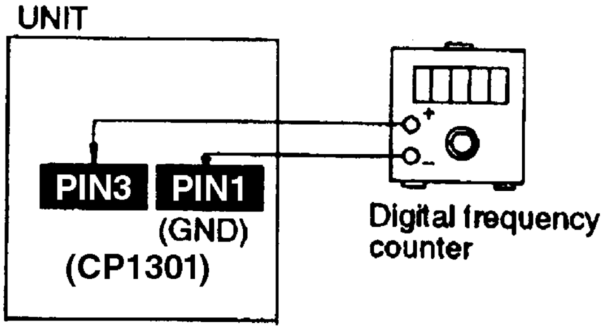

Bias
1MΩ
PIN3
(CP1301)
+
1KΩ
PIN1
(GND)
(CP1301)
−


Erase
AC EVM
R1375

9.1.4. Bias Frequency check

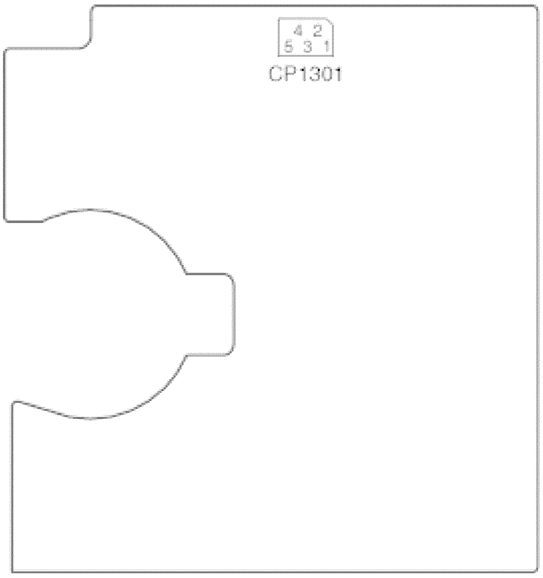
1. **Set the unit to “AUX” position.**
2. **Insert the Normal blank tape (QZZCRA) into DECK 2 and set the unit to “REC” mode (● use “REC/PAUSE” key).**
3. **Check so that the output frequency is within the standard value.**

Standard Value: 86 ±8 kHz


UNIT
PIN3
PIN1
(GND)
(CP1301)
+
−
Digital frequency counter

9.2. Alignment Points

Cassette Deck Section


4 2
5 3 1
CP1301

10. Illustration of ICs, Transistors and Diodes

11. Terminal Function of IC’s

11.1. IC601 (C2BBGF000280) System Microprocessor

Pin No.	Mark	I/O	Function
1	SER5	I/O	Searal 5 output (PLL/ DSP DA)
2	MK_IN2	I/O	Mech condition input 2 (TPS/PHOTO)
3	MK_IN1	I/O	Mech condition input 1 (HALF/MODE/R_INHF / R_INHR)
4	KEY 3	I/O	Key 3 input
5	KEY 2	I/O	Key 2 input
6	KEY 1	I/O	Key 1 input
7	JOG1B	I/O	JOG 1 input B Main Volume
8	JOG1A	I/O	JOG 1 input A Main Volume
9	SP_IN	I/O	Speana input
10	SP_A	I/O	Speana control output A
11	AP_B	I/O	Speana control output B
12	SP_C	I/O	Speana control output C
13	N.C.	I/O	No use
14	N.C.	I/O	No use
15	N.C.	I/O	No use
16	SER9	I/O	Searal 9 output (Echo LA)
17	VSS	-	Ground
18	RESET	I	RESET input (Active L)
19	XCOUT	I/O	32.768 kHz sub clock
20	XCIN	I/O	32.768 kHz sub clock
21	VSS	-	Ground (0V)
22	XIN	I	4.00 MHz main clock
23	XOUT	O	4.00 MHz main clock
24	VCC	-	Power supply (+5V)
25	MBP1	I/O	MPU beat proof output 1
26	MBP2	I/O	MPU beat proof output 2
27	PCONT / PCNT	I/O	PCNT output
28	N.C.	I/O	No use
29	DCDET	I/O	DCDET input
30	SER4	I/O	Searal 4 output (ROM CS)
31	RMT	I/O	Remoco input
32	SYNC	I/O	AC failure detect input

Pin No.	Mark	I/O	Function
33	SER3	I/O	Searal 3 output (Exp2 CK /ROM CK)
34	SER2	I/O	Searal 2 output (Exp1CK/ ROM DA)
35	SER1	I/O	Searal 1 output (EXP1/2 DA)
36	DSPRST	I/)	DSP reset output
37	DSPACK	I/O	DSP ACK input
38	SENSE	I/O	DSP sense input
39	MIC SW	I/O	MIC output sw
40	PHONE	I/O	Phone output sw
41	D0/ST	I/O	Tuner D0/ST input
42	SDIN	I/O	Tuner signal DET input
43	REGION IN/ REG_IN	I/O	Region input
44-55	AND12-1 / REG12-1	I/O	Grid drive output (Digit drive output)
56-88	SEG1-33	I/O	Segment drive output (Anode drive output)
89	VEE	-	Power supply (-30V)
90	MECHSI	I/O	Mecha control data input
91	MECHSO	I/O	Mecha control data output
92	MECHCK	I/O	Mecha control clock input
93	MECHRQ	I/O	Mecha con request output
94	MECHCS	I/O	Mecha control CS input
95	MECRST	I/O	Mechcon reset output
96	SER8	I/O	Searal 8 output (DSP LA)
97	AVSS	-	Analog ground (0V)
98	VREF	-	Reference for A-D
99	SER7	I/O	Searal 7 output (PLL CE)
100	SER6	I/O	Searal 6 output (PLL/ DSP CK)

12. Block Diagram

13. Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)
Note:

S501

: Voltage Selector Switch

S601

: DPL Switch

S602

: SSS Switch

S603

: 3D AI Switch

S604

: Preset EQ Switch

S605

: Amazing Switch

S606

: Super Woofer Switch

S607

: Tape Eject Switch

S610

: FM Mode/BP select Switch

S611

: Rec/Stop select Switch

S612

: Display/Demo select Switch

S613

: Clock/Timer Switch

S614

: Play/Rec Switch

S615

: Selector Switch

S616

: Tune Mode Switch

S617

: DVD/CD Switch

S618

: Tuner Switch

S619

: Tape Switch

S620

: Volume (-) Switch

S621

: Volume (+) Switch

S622

: Memory Switch

S623

: Power Switch

S625

: CD Manager Switch

S626

: Disc 1 Switch

S627

: Disc 2 Switch

S628

: Disc 3 Switch

S629

: Disc 4 Switch

S630

: Disc 5 Switch

S631

: Cinema Switch

S632

: Open/Close Switch

S971

: Switch Mode

S972

: Switch Half

S973

: Switch CR02

S974

: Switch RECINH_R

S975

: Switch RECINH_F

SW1

: Switch Push

SW2

: Switch Push

SW3

: Switch

SW4

: Switch CD

SW5

: Switch Lock

SW2501

: Switch

VR601

: Volume Jog

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

No mark	: Playback	<< >>	: Rec	< >	: FM
(( ))	: CD	( )	: AM	[ ]	: AUX

- Importance safety notice :
  Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

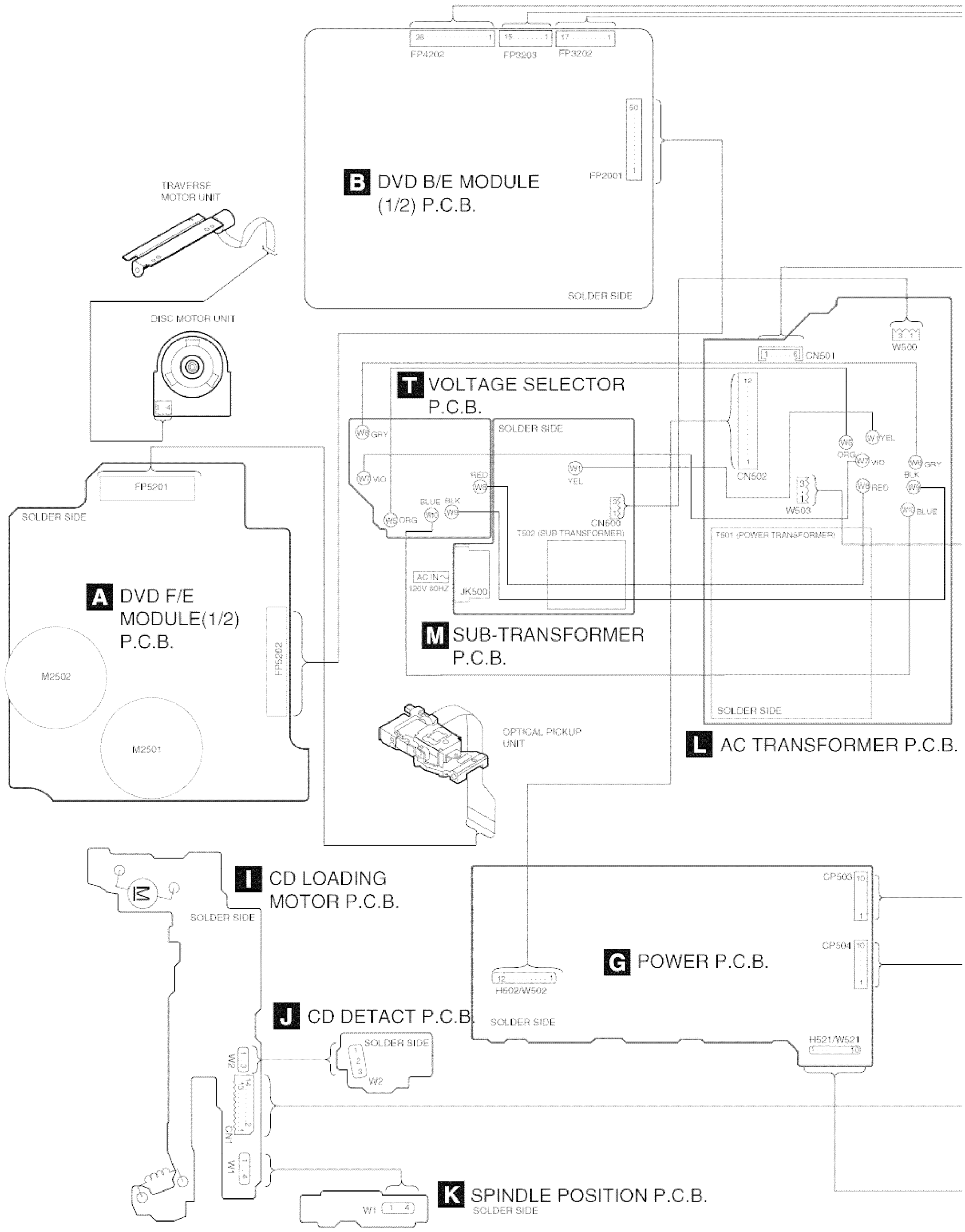
Caution !
IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

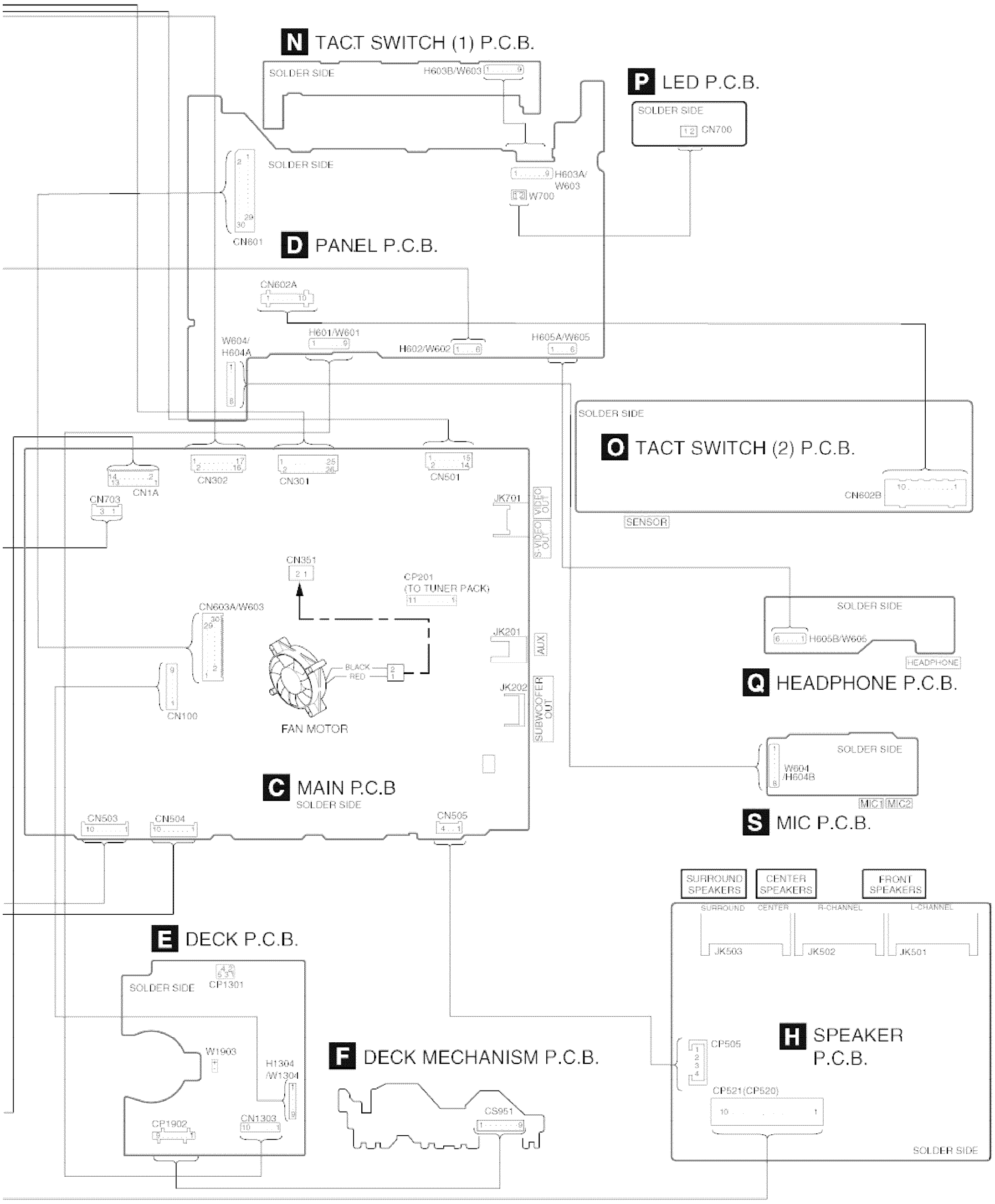
- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

"CAUTION: REPLACE FUSIBLE RESISTOR WITH THE SAME TYPE RSFMB40KT-L FUSIBLE RESISTOR""ATTENTION: REMPLACER LA RESISTANCE FUSIBLE PAR UNE RESISTENCE FUSIBLE DE MEME TYPE RSFMB40KT-L.

14. Printed Circuit Board

15. Wiring Connection Diagram


FP4202
FP3203
FP3202
FP2001
B DVD B/E MODULE (1/2) P.C.B.
SOLDER SIDE
TRAVERSE MOTOR UNIT
DISC MOTOR UNIT
T VOLTAGE SELECTOR P.C.B.
SOLDER SIDE
CN501
W500
CN502
W503
CN500
T502 (SUB TRANSFORMER)
T501 (POWER TRANSFORMER)
GRY
VIO
ORG
BLUE
BLK
RED
YEL
AC IN
120V 60HZ
JK500
FP5201
SOLDER SIDE
A DVD F/E MODULE(1/2) P.C.B.
FP5202
M2502
M2501
M SUB-TRANSFORMER P.C.B.
OPTICAL PICKUP UNIT
L AC TRANSFORMER P.C.B.
SOLDER SIDE
I CD LOADING MOTOR P.C.B.
SOLDER SIDE
G POWER P.C.B.
CP503
CP504
H502/W502
H521/W521
SOLDER SIDE
J CD DETACT P.C.B.
SOLDER SIDE
W2
CN1
W1
K SPINDLE POSITION P.C.B.
SOLDER SIDE
W1


N TACT SWITCH (1) P.C.B.
SOLDER SIDE
H603B/W603
P LED P.C.B.
SOLDER SIDE
CN700
SOLDER SIDE
H603A/W603
W700
CN601
D PANEL P.C.B.
CN602A
W604/H604A
H601/W601
H602/W602
H605A/W605
SOLDER SIDE
O TACT SWITCH (2) P.C.B.
CN602B
SENSOR
CN1A
CN703
CN302
CN301
CN501
JK701
VIDEO OUT
S VIDEO OUT
CN351
CP201
(TO TUNER PACK)
CN603A/W603
JK201
AUX
BLACK
RED
JK202
SUBWOOFER OUT
CN100
FAN MOTOR
SOLDER SIDE
H605B/W605
HEADPHONE
Q HEADPHONE P.C.B.
SOLDER SIDE
W604/H604B
MIC1
MIC2
S MIC P.C.B.
C MAIN P.C.B
SOLDER SIDE
CN503
CN504
CN505
SURROUND SPEAKERS
CENTER SPEAKERS
FRONT SPEAKERS
SURROUND
CENTER
R-CHANNEL
L-CHANNEL
JK503
JK502
JK501
E DECK P.C.B.
SOLDER SIDE
CP1301
W1903
H1304/W1304
CP1902
CN1303
F DECK MECHANISM P.C.B.
CS951
CP505
H SPEAKER P.C.B.
CP521(CP520)
SOLDER SIDE

16. Parts Location and Replacement Parts List

Notes:

- Important safety notice:

Components identified by ⚠ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

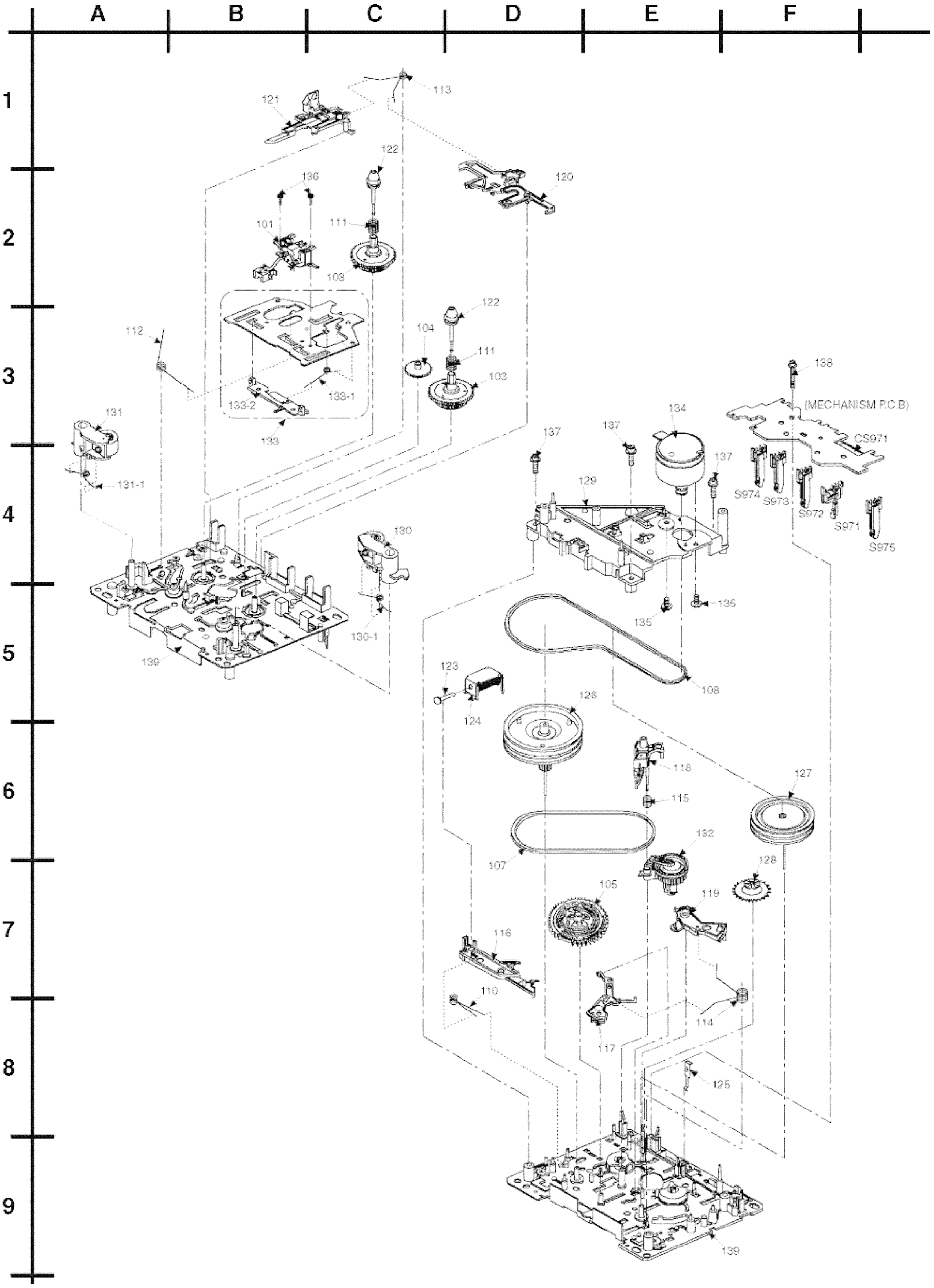
When replacing any of these components, be sure to use only manufacturer’s specified parts shown in the parts list.

- **The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)**
  Parts without these indications can be used for all areas.
- **Warning: This product uses a laser diode. Refer to caution statements on “Precaution of Laser Diode”.**
  ACHTUNG:
- **Die Lasereinheit nicht zerlegen.**
- **Die Lasereinheit darf nur gegen eine vom Hertsteller spezifizierte Einheit ausgetauscht werden.**
- **Capacitor values are in microfarads (µ F) unless specified otherwise, P = Pico-farads (pF), F= Farads.**
- **Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).**
- **The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
- **[M] Indicates in the Remarks columns indicates parts supplied by MESA.**
- **The “(SF)” mark denotes the standard part.**
- **Remote Control Unit: Supply period for three years from terminal of production.**
- **Reference for O/I book languages are as follows:**

Ar :	Arabic	Du :	Dutch	It :	Italian	Sp :	Spanish
Cf :	Canadian French	En :	English	Ko :	Korean	Sw :	Swedish
Cz :	Czech	Fr :	French	Po :	Polish	Co :	Traditional Chinese
Da :	Danish	Ge :	German	Ru :	Russian	Cn :	Simplified Chinese

16.1. Deck Mechanism (RAA4108)

16.1.1. Deck Mechanism Parts Location

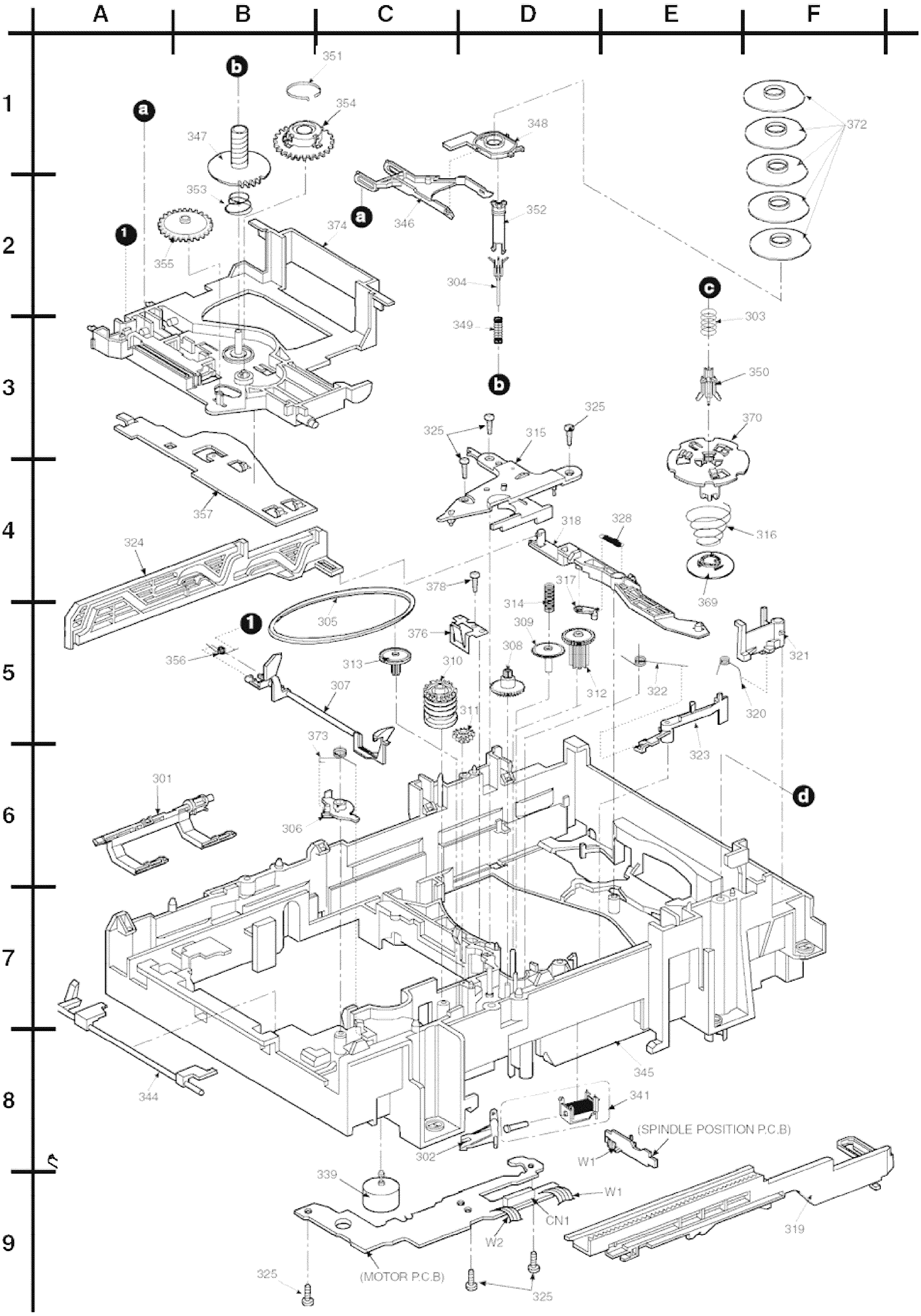

A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
113
121
122
120
136
101
111
103
112
122
104
111
103
133-2
133-1
133
131
131-1
138
(MECHANISM P.C.B)
CS971
134
137
137
137
129
S974
S973
S972
S971
S975
130
130-1
139
135
135
108
123
124
126
118
115
127
132
107
128
105
119
116
110
114
117
125
139

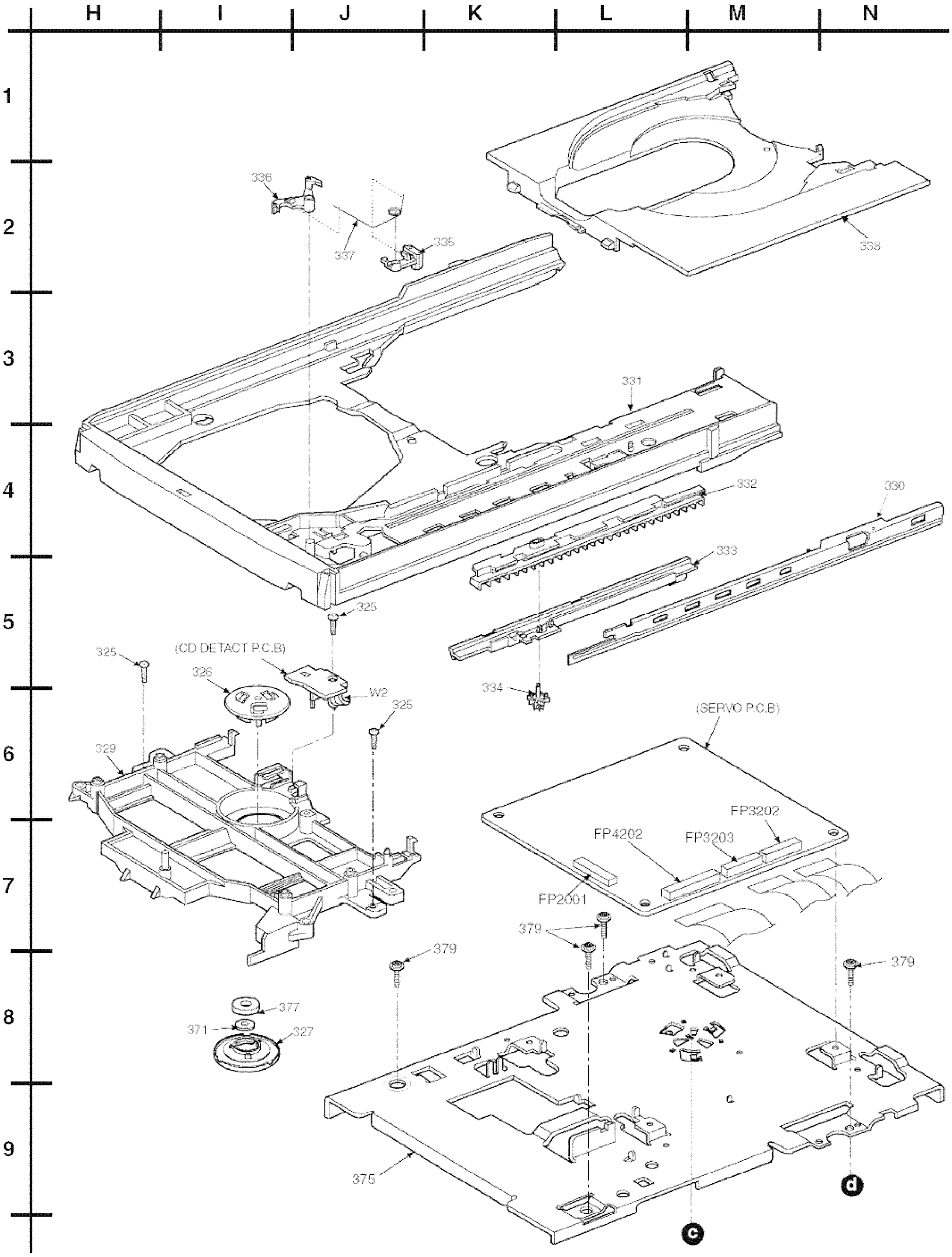
16.1.2. Deck Mechanism Parts List

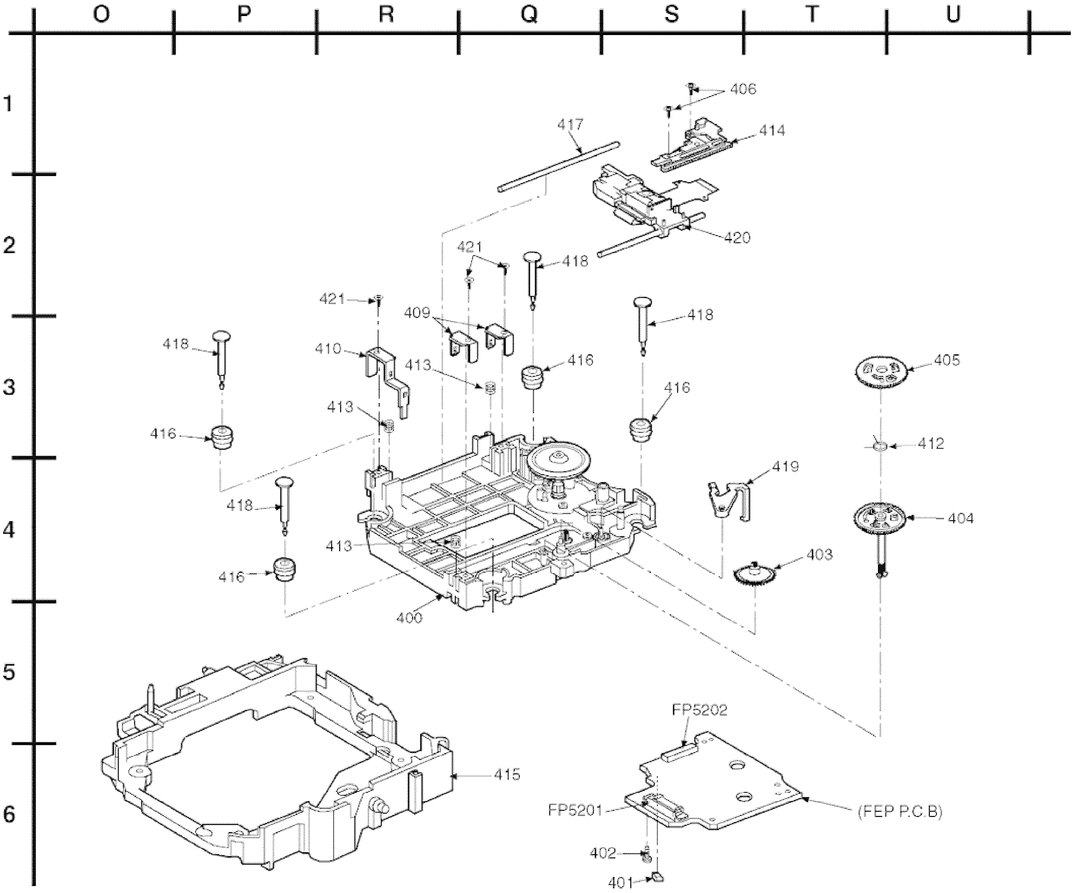
Ref. No.	Part No.	Part Name & Description	Remarks
		CASSETTE DECK	
101	RED0050	R/P HEAD BLOCK UNIT	[M]
103	RDG0300	REEL BASE GEAR	[M]
104	RDG0301	WINDING RELAY GEAR	[M]
105	RDK0026	MAIN GEAR	[M]
107	RDV0033-4	WINDING BELT	[M]
108	RDV0034-1	CAPSTAN BELT ‘A’	[M]
110	RMB0312	TRIGGER LEVER SPRING	[M]
111	RMB0400	REEL SPRING	[M]
112	RMB0403	HEAD PANEL SPRING	[M]
113	RMB0404	BRAKE ROD SPRING	[M]
114	RMB0406	FR LEVER SP	[M]
115	RMB0408	THRUST SPRING	[M]
116	RML0370	TRIGGER LEVER	[M]
117	RML0371	FR LEVER	[M]
118	RML0372	WINDING LEVER	[M]
119	RML0374	EJECT LEVER	[M]
120	RMM0131	BRAKE ROD	[M]
121	RMM0133-1	EJECT ROD	[M]
122	RMQ0519	REEL HUB	[M]
123	RMS0398-1	MOVING CORE	[M]
124	RSJ0003	PLUNGER	[M]
125	RMC0061	SPRING	[M]
126	RXF0049	FLYWHEEL ‘F’ ASS’Y	[M]
127	RXF0050	FLYWHEEL ‘R’ ASS’Y	[M]
128	RXG0040	FF RELAY GEAR ASS’Y	[M]
129	RMK0283A-J	SUB CHASSIS	[M]
130	RXL0124	PINCH ARM ‘F’ ASS’Y	[M]
130-1	RMB0401	PINCH ARM SPRING ‘F’	[M]
131	RXL0125	PINCH ARM ‘R’ ASS’Y	[M]
131-1	RMB0402	PINCH ARM SPRING ‘R’	[M]
132	RXL0126	WINDING ARM ASS’Y	[M]
133	RXQ0412	HEAD PANEL ASS’Y	[M]
133-1	RMB0405	FR ROD SPRING	[M]
133-2	RMM0132	FR ROD	[M]
134	REM0098	CAP MOTOR ASS’Y	[M]
135	RHD26022	MOTOR SCREW	[M]
136	XTW2+5L	HEAD BLOCK UNIT SCRE	[M]
137	XTW26+10S	SUB-CHASSIS SCREW	[M]
138	XYC2+JF17	PCB EARTH SCREW	[M]
139	RFKJSTR280PP	CHASSIS ASS’Y	[M]

16.2. DISC Loading Mechanism (RD-DAC036-S)

16.2.1. DISC Loading Mechanism Parts Location


A
B
C
D
E
F
b
a
a
c
b
d
(SPINDLE POSITION P.C.B)
W1
W1
CN1
W2
(MOTOR P.C.B)


H
I
J
K
L
M
N
(CD DETACT P.C.B)
W2
(SERVO P.C.B)
FP3202
FP4202
FP3203
FP2001
d
c


O
P
R
Q
S
T
U
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421
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416
412
419
418
404
413
403
416
400
FP5202
415
FP5201
(FEP P.C.B)
402
401

16.2.2. DISC Loading Mechanism Parts List

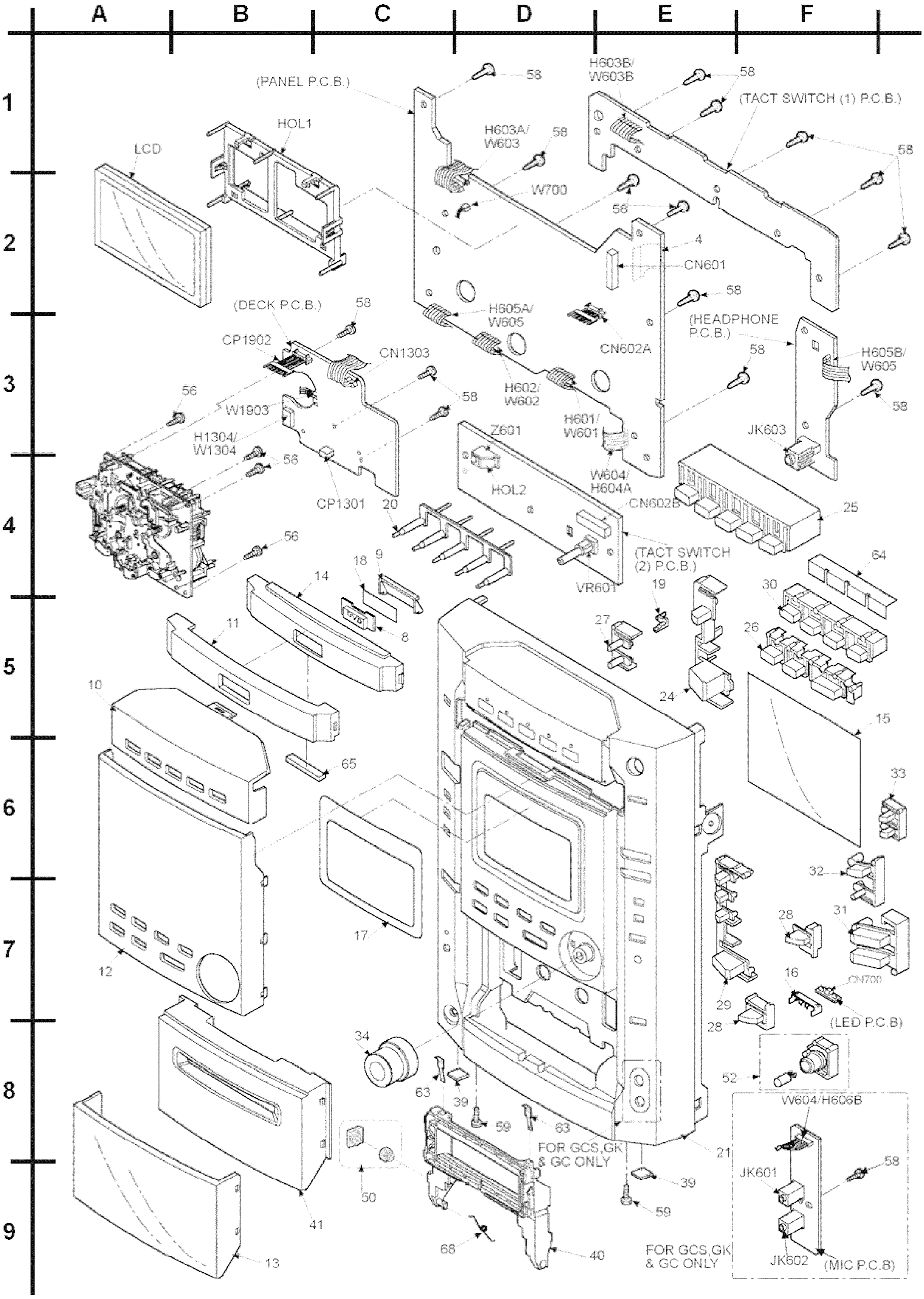
Ref. No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK	
301	RML0517	TIMING LEVER	[M]
302	RML0516	PLUNGER LEVER	[M]
303	RMB0551	UPPER SPINDLE SPRING	[M]
304	RMQ0744	LOWER HOOK	[M]
305	RDV0056	BELT	[M]
306	RML0525	FRONT LOCK	[M]
307	RML0526	DISC LEVER	[M]
308	RDG0424	DRIVE GEAR	[M]
309	RDG0425	CHANGE GEAR	[M]
310	RDG0427	TRV CAM GEAR	[M]
311	RDG0428	TRV RELAY GEAR	[M]
312	RDG0426	UP/DOWN GEAR	[M]
313	RDG0429	PULLEY GEAR	[M]
314	RMB0549-1	CHANGR GEAR SPRING	[M]
315	RMQ0748	PITCH PLATE	[M]
316	RMB0553	PUSH SPRING	[M]
317	RML0530	ASSIST LEVER	[M]
318	RML0518	CONNECTION LEVER	[M]
319	RMM0201	SLIDE PLATE 1	[M]
320	RME0258	REAR LOCK SPRING	[M]
321	RML0521	REAR LOCK LEVER	[M]
322	RME0257	TRAY LOCK LEVER SPRI	[M]
323	RML0520	TRAY LOCK	[M]
324	RMM0202	SLIDE PLATE 2	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
325	XTB3+10J	SCREW	[M]
326	RMR1367-K	FIXED PLATE	[M]
327	RMR0624-W	CLAMPER	[M]
328	RMB0561	ASSIST LEVER SPRING	[M]
329	RMR1121-K	MECHA COVER	[M]
330	RMA1110-2	TRAY ANGLE	[M]
331	RMR1122-H1	TRAYBASE	[M]
332	RMM0204	CARRIER	[M]
333	RMM0203	DRIVE RACK	[M]
334	RDG0432	SPEED UP GEAR	[M]
335	RML0524	SLIDE LOCK	[M]
336	RML0523	CARRIER LOCK	[M]
337	RME0260-1	SLIDE LOCK SPRING	[M]
338	RMR1123-H	TRAY	[M]
339	RXQ0595	MOTOR ASSY	[M]
341	RSJ0003	SOLENOLD ASSY	[M]
344	RML0519	8CD LEVER	[M]
345	RFKNAAK27GCS	MECHA BASE ASS’Y	[M]
346	RML0522	TURNING STOPPER	[M]
347	RMQ0745	LOWER SPINDLE	[M]
348	RMQ0746	UP/DOWN BASE	[M]
349	RMB0550	LOWER SPINDLE SP	[M]
350	RMQ0747	UPPER HOOK	[M]
351	RME0263	CLICK SPRING	[M]
352	RMQ0743	SPINDLE SHAFT	[M]
353	RMB0552	CUSHION SPRING	[M]
354	RDG0430	RELAY GEAR A	[M]
355	RDG0431	RELAY GEAR B	[M]
356	RME0262	DISK LEVER SP.	[M]
357	RMA1105	SUPPORT PLATE	[M]
369	RMX0141	PUSH SPACER	[M]
370	RMQ0749	UPPER SPINDLE	[M]
371	RHM0001	MAGNET	[M]
372	RMX0140	DISC SPACER	[M]
373	RME0261	FRONT LOCK SPRING	[M]
374	RMQ0742	SPINDLE BASE	[M]
375	RMA1435	PB ANGLE	[M]
376	RMC0387	SUPPORT SPRING	[M]
377	RMA1003	BACK YOKE	[M]
378	XTV2+6G	PCB SCREW	[M]
379	XTW3+10T	SCREW	[M]
400	RXQ0749	TRV BASE UNIT	[M]
401	RMG0558-K	P.C.B. RUBBER	[M]
402	XTW2+8P	PCB SCREW	[M]
403	RDG0499	TRV GEAR A	[M]
404	RDG0500	TRV GEAR B	[M]
405	RDG0501	TRV GEAR C	[M]
406	RHD17028	RACK SCREW	[M]
409	RMC0415	ADJUST SPRING HOLDER	[M]
410	RMC0416	ADJUST SPRING HOLDER	[M]
412	RME0319	TRV GEAR SPRING	[M]
413	RME0320	ADJUSTMENT SPRING	[M]
414	RMM0234-1	TRV DRIVE RACK	[M]
415	RMR1366-K	UNIT CHASSIS	[M]
416	RMG0545-A	FLOATING RUBBER	[M]
417	RMS0711	GUIDE SHAFT	[M]
418	RMS0712-1	FIXED PIN	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
419	**RMX0192**	**INNER STOPPER**	**[M]**
420	**RXQ0731**	**OPU UNIT**	**[M]**
421	**VHD1224**	**ADJ SPRING HOLDER SC**	**[M]**

16.3. Cabinet

16.3.1. Cabinet Parts Location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9
(PANEL P.C.B.)
58
H603B/
W603B
(TACT SWITCH (1) P.C.B.)
HOL1
LCD
H603A/
W603
W700
4
CN601
(DECK P.C.B.)
CP1902
H605A/
W605
CN602A
(HEADPHONE
P.C.B.)
H605B/
W605
CN1303
56
W1903
H1304/
W1304
H602/
W602
H601/
W601
JK603
Z601
HOL2
W604/
H604A
CN602B
CP1301
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25
(TACT SWITCH
(2) P.C.B.)
VR601
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18
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CN700
29
(LED P.C.B)
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52
63
39
59
W604/H606B
FOR GCS,GK
& GC ONLY
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JK601
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41
68
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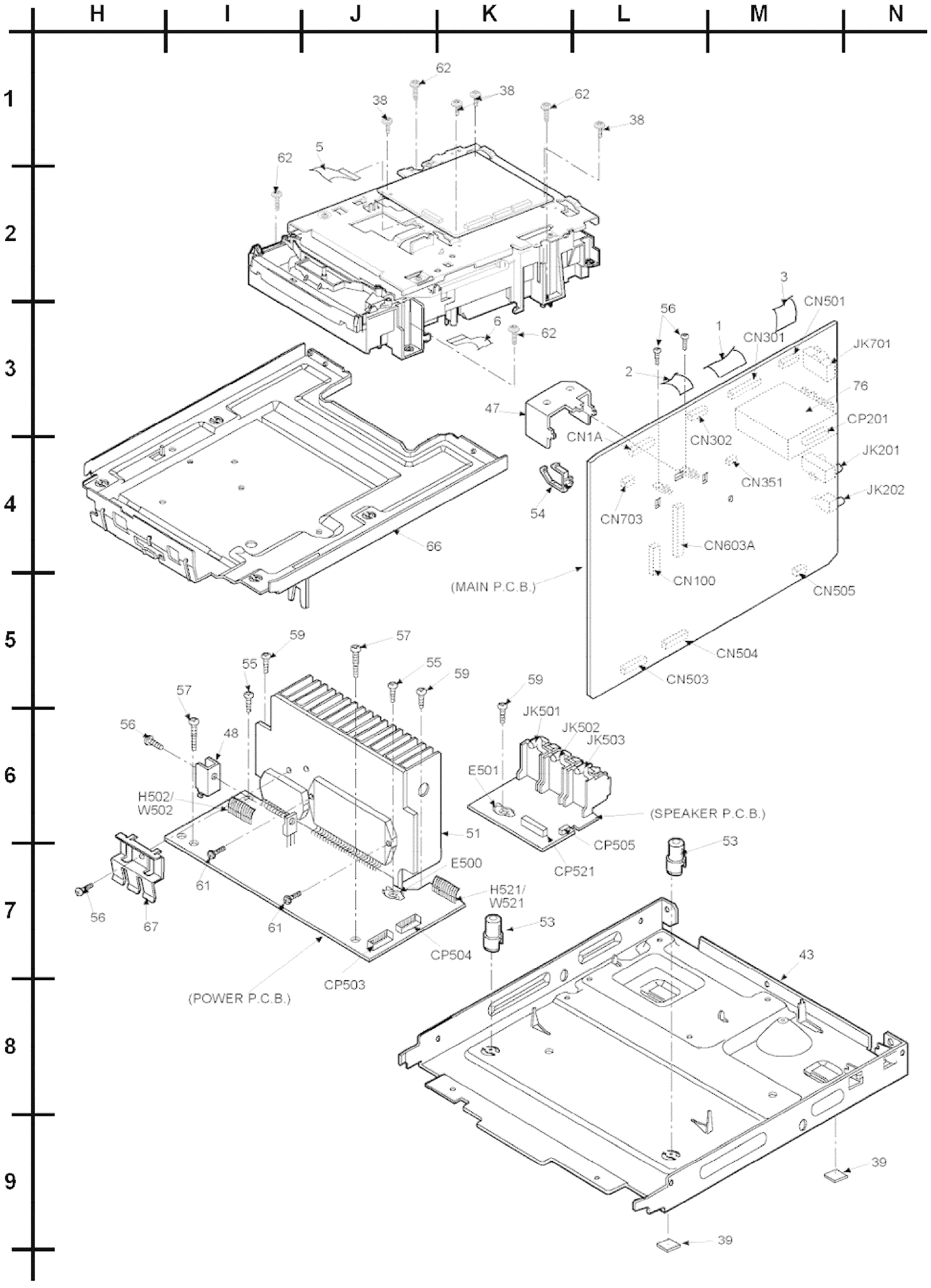
JK602
(MIC P.C.B)
13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CN501
56
1
CN301
JK701
6
62
2
76
47
CP201
CN1A
CN302
JK201
CN351
JK202
54
CN703
66
CN603A
CN100
(MAIN P.C.B.)
CN505
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57
55
55
59
CN504
CN503
57
59
56
48
JK501
JK502
JK503
E501
H502/
W502
(SPEAKER P.C.B.)
51
CP505
53
E500
CP521
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H521/
W521
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CP504
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CP503
(POWER P.C.B.)
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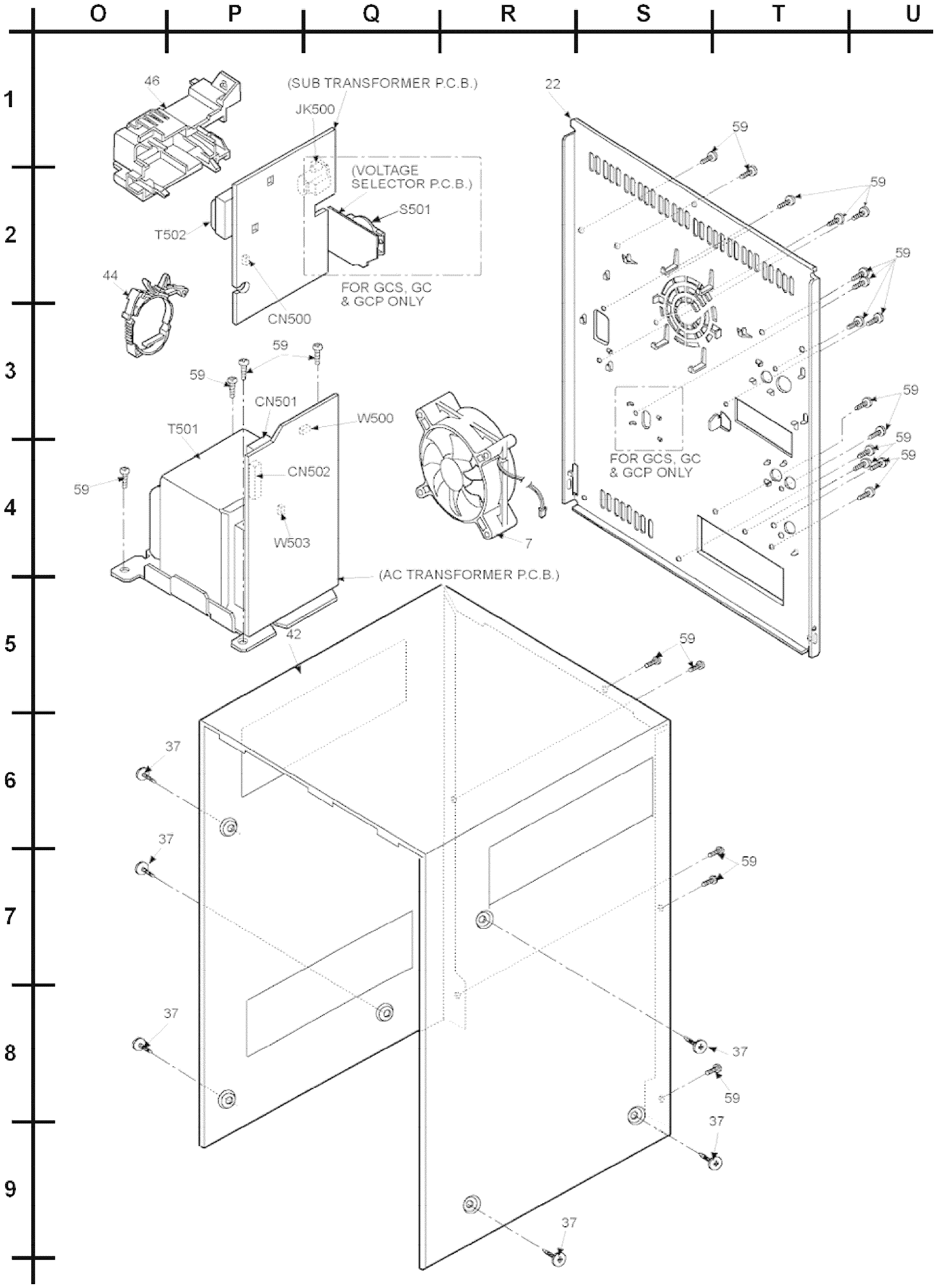
39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46
(SUB TRANSFORMER P.C.B.)
22
JK500
59
(VOLTAGE
SELECTOR P.C.B.)
59
S501
T502
59
44
FOR GCS, GC
& GCP ONLY
CN500
59
59
CN501
T501
W500
59
CN502
59
59
59
FOR GCS, GC
& GCP ONLY
W503
7
(AC TRANSFORMER P.C.B.)
42
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16.3.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	REE1074-1	15P FFC WIRE	[M]
2	REE1075	17P FFC WIRE	[M]
3	REE1076-1	26P FFC WIRE	[M]
4	REE1077-1	30P FFC WIRE	[M]
5	REE1078-J	50P FFC	[M]
6	REE1112	14P FFC WIRE	[M]
7	REM0072-3	FAN	[M]
8	RGB0124-S	DVD BADGE	[M]
9	RGC0028-W	REFLECTION PLATE	[M]
10	RGK1342-Q	TOP ORNAMENT	[M]
11	RGK1343-Q	CD LID ORNAMENT	[M]
12	RGK1344-Q	PANEL ORNAMENT	[M]
13	RGK1345-Q	CASS ORNAMENT	[M]
14	RGK1346-S	CD LID	[M]
15	RGK1348-V	FL FILTER	[M]
16	RGK1349-Q	LED COVER	[M]
17	RGK1375-S	FL SHEET	[M]
18	RGK1376-W	BADGE FILTER	[M]
19	RGL0538-W	LIGHTING CHIP	[M]
20	RGL0539-W	DISC LIGHTING CHIP	[M]
21	RGP0846A-S2	FRONT PANEL	[M]GCS GC
21	RGP0846-S2	FRONT PANEL	[M]GCP GN
22	RGR0307A-C1	REAR PANEL	[M]GK
22	RGR0307A-D1	REAR PANEL	[M]GN
22	RGR0307B-A1	REAR PANEL	[M]GC
22	RGR0307B-B1	REAR PANEL	[M]GCS
22	RGR0307B-C1	REAR PANEL	[M]GCP
24	RGU1955-S	POWER BUTTON	[M]
25	RGU1956-S	DISC BUTTON	[M]
26	RGU1957-S	MAIN BUTTON	[M]
27	RGU1958-S	REC BUTTON	[M]
28	RGU1959-S	OPEN/CLOSE BUTTON	[M]
29	RGU1960-S	DEMO BUTTON	[M]
30	RGU1961-Q	FUNCTION BUTTON	[M]
31	RGU1962-Q	DPL BUTTON	[M]
32	RGU1977A-Q	EQ BUTTON	[M]
33	RGU1977A-S	EQ BUTTON	[M]
34	RGW0361-S	MAIN VOLUME KNOB	[M]
37	RHD30002-H	SCREW	[M]
38	RHD30078	SCREW	[M]
39	RKA0059-K	LEG RUBBER	[M]
40	RKF0585-K2J	CASS. HOLDER (L)	[M]
41	RKF0615-S	CASSETTE LID	[M]
42	RKM0433-S	TOP CABINET	[M]
43	RMK0479-1	BOTTOM CHASSIS	[M]
44	RMR1350-K	WIRE CLIP	[M]
46	RMNX0029C-A	SUB TRANS HOLDER	[M]
47	RMY0241	SUB HEAT SINK	[M]
48	RMY0285	SMALL HEAT SINK	[M]
50	RXG0049	DAMPER GEAR UNIT	[M]
51	RXX0234	HEAT SINK UNIT	[M]
52	RYQ0351-Q	CINEMA BTN UNIT	[M]
53	SHE187-6J	PCB SUPPORT	[M]
54	SHR301	LEAD CLAMPER	[M]
55	XTB3+10J	SCREW	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
56	XTB3+10JFZ	SCREW	[M]
57	XTB3+20J	SCREW	[M]
58	XTBS26+10J	SCREW	[M]
59	XTBS3+8JFZ1	SCREW	[M]
61	XTW3+15T	SCREW	[M]
62	XTW3+8T	SCREW	[M]
63	RUS757ZAA	CASSETTE HALF SPRING	[M]
64	RGQ0319-W	FUNCTION LIGHTING SH	[M]
65	RMQ1042	CD LID SPACER	[M]
66	RMK0480-1	CD CHASSIS	[M]
67	RMC0432	REGULATOR CLUMPER	[M]
68	RMB0474	CASS OPEN SPRING	[M]
76	RAN0005EM-2	TUNER PACK	[M]GK

16.4. Component Parts List

Ref. No.	Part No.	Part Name & Description	
RAL201	RAN0004MM-2	TUNER PACK	[M]
		PRINTED CIRCUIT BOARD	
	REP3091A-N	DVD F/E MODULE (1/2) P.C.B.	[M]
	REP3091A-N	DVD F/E MODULE (2/2) P.C.B.	[M]
	REP3098K	DVD B/E MODULE (1/2) P.C.B.	[M] (R
	REP3098L	DVD B/E MODULE (1/2) P.C.B.	[M] (R
	REP3098M	DVD B/E MODULE (1/2) P.C.B.	[M] (R
	REP3098N	DVD B/E MODULE (1/2) P.C.B.	[M] (R
	REP3098P	DVD B/E MODULE (1/2) P.C.B.	[M] (R
	REP3098K	DVD B/E MODULE (2/2) P.C.B.	[M] (R
	REP3098L	DVD B/E MODULE (2/2) P.C.B.	[M] (R
	REP3098M	DVD B/E MODULE (2/2) P.C.B.	[M] (R
	REP3098N	DVD B/E MODULE (2/2) P.C.B.	[M] (R
	REP3098P	DVD B/E MODULE (2/2) P.C.B.	[M] (R
	REP3076B	MAIN P.C.B.	[M] (R
	REP3076C	MAIN P.C.B.	[M] (R
	REP3076D	MAIN P.C.B.	[M] (R
	REP3076E	MAIN P.C.B.	[M] (R
	REP3076F	MAIN P.C.B.	[M] (R
	REP3075B	PANEL P.C.B.	[M] (R
	REP3075C	PANEL P.C.B.	[M]

Ref. No.	Part No.	Part Name & Description	
	REP3075D	PANEL P.C.B.	[M] (R
	REP3079A	DECK P.C.B.	[M]
	REPX0108	DECK MECHANISM P.C.B.	[M]
	REP3077A	POWER P.C.B.	[M]
	REP3077B	POWER P.C.B.	[M] (R
	REP3078B	SPEAKER P.C.B.	[M] (R
	REP3078D	SPEAKER P.C.B.	[M] (R
	REP3078C	SPEAKER P.C.B.	[M] (R
	REP2578A-N	CD LOADING P.C.B.	[M]
	REP2578A-N	CD DETACT P.C.B.	[M]
	REP2578A-N	SPINDLE POSITION P.C.B.	[M]
	REP3078C	AC TRANSFORMER P.C.B.	[M] (R
	REP3078D	AC TRANSFORMER P.C.B.	[M] (R
	REP3078B	AC TRANSFORMER P.C.B.	[M] (R
	REP3078D	SUB-TRANSFORMER P.C.B.	[M]
	REP3078C	SUB-TRANSFORMER P.C.B.	[M] (R
	REP3078B	SUB-TRANSFORMER P.C.B.	[M] (R
	REP3078B	VOLTAGE SELECTOR P.C.B.	[M] (R
	REP3075B	TACT SWITCH (1) P.C.B.	[M] (R
	REP3075C	TACT SWITCH (1) P.C.B.	[M] (R
	REP3075D	TACT SWITCH (1) P.C.B.	[M] (R
	REP3075B	TACT SWITCH (2) P.C.B.	[M] (R
	REP3075C	TACT SWITCH (2) P.C.B.	[M] (R
	REP3075D	TACT SWITCH (2) P.C.B.	[M] (R
	REP3075B	LED P.C.B.	[M] (R
	REP3075C	LED P.C.B.	[M] (R
	REP3075D	LED P.C.B.	[M] (R
	REP3075B	HEADPHONE P.C.B.	[M] (R
	REP3075C	HEADPHONE P.C.B.	[M] (R
	REP3075D	HEADPHONE P.C.B.	[M] (R
	REP3075B	MIC P.C.B.	[M] (R
		INTEGRATED CIRCUITS	
IC1	TA7291P	IC DRIVE	[M]

Ref. No.	Part No.	Part Name & Description	
IC201	NJU7313AMT2	IC SELECTOR	[M]
IC202	M5218AFPE3	IC BUFFER AMP	[M]
IC203	M5218AP	IC BUFFER AMP	[M]
IC204	M62456FPE1	IC BTL	[M]
IC205	M62444FPE1	IC 4CH VOLUME	[M]
IC206	BU4053BCFE2	IC ANALOG SW	[M]
IC301	M5228FPE1	IC QUAD OP AMP	[M]
IC451	C2BBFD000307	IC MECHA CONTROL	[M]
IC453	C2BBFD000308	IC DSP CONTROL	[M]
IC501	RSN311W64B-P	IC HIC	[M]
IC503	STK470-050A	IC HIC	[M]
IC601	C2BBGF000280	IC MICRO CONTROLLER	[M]
IC602	M62457AFPE1	IC SPECTRUM ANALYSER	[M]
IC603	BU2090AF-E2	IC I/O EXPANDER	[M]
IC604	BU2090AF-E2	IC I/O EXPANDER	[M]
IC607	TC9488FEL	IC MIC REC	[M]
IC702	PQ1CZ31H2ZP	IC REGULATOR	[M]
IC703	LM2940T5M	IC REGULATOR	[M]
IC705	M5228FPE1	IC QUAD OP AMP	[M]
IC706	M5228FPE1	IC QUAD OP AMP	[M]
IC801	C2HBZC000012	IC BH	[M]
IC971	0N2180RLC1	IC PHOTO INTERRUPTER	[M]
IC1000	BA7755A	IC ANALOG SW	[M]
IC1001	AN7326K	IC REC/PB	[M]
IC2001	MN67706EC	IC DIGITAL SWITCH CONTROL	[M]
IC2501	C0GBG0000020	IC MOTOR DRIVE	[M]
IC3001	MN677533MP	IC AV DECODER	[M]
IC3051	PQ018EZ01ZP	IC REGULATOR	[M]
IC3061	KM416S1DTG8T	IC SD RAM	[M]
IC3071	KM416S1DTG8T	IC SD RAM	[M]
IC3091	C0CBCBD00002	IC REGULATOR	[M]
IC3301	C1AB00001393	IC VIDEO BUFFER	[M]
IC4211	C0FBBK000021	IC 6CH AUDIO D/A CONVERTER	[M]
IC5201	AN8708FHK	IC FEP	[M]
IC6201	MN102H60GFA	IC CPU	[M]
IC6221	C0JBAA000001	IC INVERTER	[M]
IC6222	C0JBAA000001	IC INVERTER	[M]
IC6251	C0CBCBE00001	IC VIDEO	[M]
IC6301	PST596JNR	IC RESET	[M]
IC6302	RFKFRV45B040	IC FLASH. ROM	GC
IC6302	RFKFRV45C040	IC FLASH. ROM	GC
IC6302	RFKFRV45D040	IC FLASH. ROM	GK
IC6303	C3EBEC000024	IC EE. PROM	[M]
IC6501	C1DB00000582	IC CLK	[M]
IC7001	MN103S13BGA	IC CPU	[M]
		TRANSISTORS	
Q1	RVTDTC143EST	TRANSISTOR	[M]
Q201	IMX9T110	TRANSISTOR	[M]
Q202	2SA1037AKSTX	TRANSISTOR	[M]
Q203	2SA1037AKSTX	TRANSISTOR	[M]
Q204	IMX9T110	TRANSISTOR	[M]
Q205	2SA1037AKSTX	TRANSISTOR	[M]
Q301	IMX9T110	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	
Q302	IMX9T110	TRANSISTOR	[M]
Q306	2SA1037AKSTX	TRANSISTOR	[M]
Q351	KTA12710YTA	TRANSISTOR	[M]
Q352	2SC2412KT96R	TRANSISTOR	[M]
Q353	2SC2412KT96R	TRANSISTOR	[M]
Q354	2SC2412KT96R	TRANSISTOR	[M]
Q373	2SC2412KT96R	TRANSISTOR	[M]
Q374	DTC114TKA146	TRANSISTOR	[M]
Q375	2SA1037AKSTX	TRANSISTOR	[M]
Q381	2SB1417PQTA	TRANSISTOR	[M]
Q382	2SC2412KT96R	TRANSISTOR	[M]
Q383	2SB621ARSTA	TRANSISTOR	[M]
Q384	2SC2412KT96R	TRANSISTOR	[M]
Q385	DTA114EKA146	TRANSISTOR	[M]
Q451	2SB621ARSTA	TRANSISTOR	[M]
Q452	DTC114YKA146	TRANSISTOR	[M]
Q501	KTC3199GRTA	TRANSISTOR	[M]
Q502	KTC3199GRTA	TRANSISTOR	[M]
Q503	KTC3199GRTA	TRANSISTOR	[M]
Q505	KTC3199GRTA	TRANSISTOR	[M]
Q506	KRA102MTA	TRANSISTOR	[M]
Q576	KTC2026	TRANSISTOR	[M]
Q580	2SB621ARSTA	TRANSISTOR	[M]
Q591	KTC3199GRTA	TRANSISTOR	[M]
Q592	2SC3940AQSTA	TRANSISTOR	[M]
Q593	KTC3199GRTA	TRANSISTOR	[M]
Q594	KRC102MTA	TRANSISTOR	[M]
Q601	KRC103STA	TRANSISTOR	[M]
Q608	2SB621ARSTA	TRANSISTOR	[M]
Q609	DTC114EKA146	TRANSISTOR	[M]
Q610	2SA1037AKSTX	TRANSISTOR	[M]
Q701	DTA114EKA146	TRANSISTOR	[M]
Q702	DTC114YKA146	TRANSISTOR	[M]
Q703	KTA1046YU	TRANSISTOR	[M]
Q704	2SC2412KT96R	TRANSISTOR	[M]
Q705	2SA1037AKSTX	TRANSISTOR	[M]
Q706	DTC114YKA146	TRANSISTOR	[M]
Q708	KTA1046YU	TRANSISTOR	[M]
Q709	2SD2114K1V	TRANSISTOR	[M]
Q710	2SB621ARSTA	TRANSISTOR	[M]
Q711	2SC2412KT96R	TRANSISTOR	[M]
Q712	2SB621ARSTA	TRANSISTOR	[M]
Q713	2SC2412KT96R	TRANSISTOR	[M]
Q714	DTA114EKA146	TRANSISTOR	[M]
Q715	DTC114YKA146	TRANSISTOR	[M]
Q716	IMX9T110	TRANSISTOR	[M]
Q718	IMX9T110	TRANSISTOR	[M]
Q719	IMX9T110	TRANSISTOR	[M]
Q805	2SC2412KT96R	TRANSISTOR	[M]
Q1101	2SD2114K1V	TRANSISTOR	[M]
Q1201	2SD2114K1V	TRANSISTOR	[M]
Q1302	DTA114EKA146	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	
Q1303	DTC143XKA146	TRANSISTOR	[M]
Q1304	DTA143XKA146	TRANSISTOR	[M]
Q1305	DTC114EKA146	TRANSISTOR	[M]
Q1306	2SC2412KT96R	TRANSISTOR	[M]
Q1307	2SC2412KT96R	TRANSISTOR	[M]
Q1308	DTC144TKA146	TRANSISTOR	[M]
Q1309	2SD2144STA	TRANSISTOR	[M]
Q1310	2SD2144STA	TRANSISTOR	[M]
Q1312	2SC2412KT96R	TRANSISTOR	[M]
Q1313	2SC2784FTA	TRANSISTOR	[M]
Q1314	DTA143XKA146	TRANSISTOR	[M]
Q1315	KTA12710YTA	TRANSISTOR	[M]
Q1316	2SD965RTA	TRANSISTOR	[M]
Q1317	2SD2114K1V	TRANSISTOR	[M]
Q5211	2SB1115-T	TRANSISTOR	[M]
Q5215	2SB1115-T	TRANSISTOR	[M]
QR3301	UN5212TX	CHIP TRANSISTOR	[M]
QR5251	UN2121-TX	CHIP TRANSISTOR	[M]
QR6301	UN5212TX	CHIP TRANSISTOR	[M]
		DIODES	
D2	MTZJ4R7BTA	DIODE	[M]
D201	1SS355TE17	DIODE	[M]
D202	1SS355TE17	DIODE	[M]
D203	UDZSTE175R1B	DIODE	[M]
D216	UDZSTE175R1B	DIODE	[M]
D315	1SS355TE17	DIODE	[M]
D317	1SS355TE17	DIODE	[M]
D351	DAP202KT146	DIODE	[M]
D371	DAP202KT146	DIODE	[M]
D373	1SS355TE17	DIODE	[M]
D381	DA204KT146	DIODE	[M]
D383	DA204KT146	DIODE	[M]
D385	RL1N4003N02	DIODE	[M]
D386	UDZSTE175R1B	DIODE	[M]
D401	1SS355TE17	DIODE	[M]
D451	RL1N4003N02	DIODE	[M]
D454	RL1N4003N02	DIODE	[M]
D456	RL1N4003N02	DIODE	[M]
D500	RVD1SS133TA	DIODE	[M]
D501	RK306LFU1	DIODE	[M]
D502	RK306LFU1	DIODE	[M]
D503	RVD1SS133TA	DIODE	[M]
D551	1D3E	DIODE	[M]
D552	1D3E	DIODE	[M]
D553	1D3E	DIODE	[M]
D554	1D3E	DIODE	[M]
D561	1N5402BM21	DIODE	[M]
D562	1N5402BM21	DIODE	[M]
D563	1N5402BM21	DIODE	[M]
D565	1N5402BM21	DIODE	[M]
D566	1N5402BM21	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	
D568	1N5402BM21	DIODE	[M]
D569	1D3E	DIODE	[M]
D570	1D3E	DIODE	[M]
D572	1D3E	DIODE	[M]
D573	RVD1SS133TA	DIODE	[M]
D579	MTZJ9R1CTA	DIODE	[M]
D580	MTZJ16ATA	DIODE	[M]
D581	1D3E	DIODE	[M]
D582	1D3E	DIODE	[M]
D583	1D3E	DIODE	[M]
D584	1D3E	DIODE	[M]
D585	1D3E	DIODE	[M]
D586	1D3E	DIODE	[M]
D587	MTZJ30BTA	DIODE	[M]
D591	1D3E	DIODE	[M]
D592	1D3E	DIODE	[M]
D594	1D3E	DIODE	[M]
D596	MA700ATA	DIODE	[M]
D597	RVD1SS133TA	DIODE	[M]
D598	1D3E	DIODE	[M]
D599	1SS291TA	DIODE	[M]
D601	LNJ201LPQJA	DIODE	[M]
D615	SLR325MCT31W	DIODE	[M]
D616	SLR325MCT31W	DIODE	[M]
D617	SLR325MCT31W	DIODE	[M]
D618	SLR325MCT31W	DIODE	[M]
D619	SLR325MCT31W	DIODE	[M]
D620	SELS5923C	DIODE	[M]
D621	SLR325MCT31W	DIODE	[M]
D622	SLR325MCT31W	DIODE	[M]
D623	SLR325MCT31W	DIODE	[M]
D624	SLR325MCT31W	DIODE	[M]
D627	SLR325MCT31W	DIODE	[M]
D628	SLR325MCT31W	DIODE	[M]
D629	SLR325MCT31W	DIODE	[M]
D630	SELS5923C	DIODE	[M]
D631	SLR325MCT31W	DIODE	[M]
D632	SLR325MCT31W	DIODE	[M]
D633	SLR325MCT31W	DIODE	[M]
D634	SLR325MCT31W	DIODE	[M]
D635	SLR325MCT31W	DIODE	[M]
D637	SLR325MCT31W	DIODE	[M]
D640	MA729TX	DIODE	[M]
D652	1SS380TE-17	DIODE	[M]
D653	1SS380TE-17	DIODE	[M]
D654	1SS355TE17	DIODE	[M]
D656	1SS355TE17	DIODE	[M]
D658	MA8047MTX	DIODE	[M]
D671	1SS355TE17	DIODE	[M]
D672	1SS355TE17	DIODE	[M]
D673	1SS355TE17	DIODE	[M]
D677	1SS355TE17	DIODE	[M]
D701	RL1N4003N02	DIODE	[M]
D702	RL1N4003N02	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	
D703	RL1N4003N02	DIODE	[M]
D704	RL1N4003N02	DIODE	[M]
D705	DA204KT146	DIODE	[M]
D706	1SS355TE17	DIODE	[M]
D707	1SS355TE17	DIODE	[M]
D708	1SS355TE17	DIODE	[M]
D709	1SS355TE17	DIODE	[M]
D711	SFPB-72V	DIODE	[M]
D712	DA204KT146	DIODE	[M]
D713	1SS355TE17	DIODE	[M]
D714	DA204KT146	DIODE	[M]
D715	1SS355TE17	DIODE	[M]
D716	DA204KT146	DIODE	[M]
D718	UDZSTE177R5B	DIODE	[M]
D720	RL1N4003N02	DIODE	[M]
D727	UDZSTE179R1B	DIODE	[M]
D728	UDZSTE175R1B	DIODE	[M]
D729	1SS355TE17	DIODE	[M]
D730	1SS355TE17	DIODE	[M]
D971	MA165TA	DIODE	[M]
D980	UDZSTE175R1B	DIODE	[M]
D1301	1SS355TE17	DIODE	[M]
D2001	MA111TX	DIODE	[M]
D3091	MA111TX	DIODE	[M]
D5251	MA728TX	DIODE	[M]
D6301	MA728TX	DIODE	[M]
		VARIABLE RESISTORS	
VR601	EVEKE2F3024B	VR VOLUME JOG	[M]
		SWITCHES	
S501	RSR4B008S-Q	SW VOLTAGE SELECTOR	[M]
S601	EVQ21405R	SW DPL	[M]
S602	EVQ21405R	SW SSS	[M]
S603	EVQ21405R	SW 3D AI	[M]
S604	EVQ21405R	SW PRESET EQ	[M]
S605	EVQ21405R	SW AMAZING	[M]
S606	EVQ21405R	SW SUPER WOOFER	[M]
S607	EVQ21405R	SW TAPE EJECT	[M]
S610	EVQ21405R	SW FM MODE/BP	[M]
S611	EVQ21405R	SW REC/STOP	[M]
S612	EVQ21405R	SW DISPLAY/DEMO	[M]
S613	EVQ21405R	SW CLOCK/TIMER	[M]
S614	EVQ21405R	SW PLAY/REC	[M]
S615	EVQ21405R	SW SELECTOR	[M]
S616	EVQ21405R	SW TUNE MODE	[M]
S617	EVQ21405R	SW DVD/CD	[M]
S618	EVQ21405R	SW TUNER	[M]
S619	EVQ21405R	SW TAPE	[M]
S620	EVQ21405R	SW VOLUME -	[M]
S621	EVQ21405R	SW VOLUME +	[M]
S622	EVQ21405R	SW MEMORY	[M]
S623	EVQ21405R	SW POWER	[M]
S625	EVQ21405R	SW CD MANAGER	[M]

Ref. No.	Part No.	Part Name & Description	
S626	EVQ21405R	SW DISC 1	[M]
S627	EVQ21405R	SW DISC 2	[M]
S628	EVQ21405R	SW DISC 3	[M]
S629	EVQ21405R	SW DISC 4	[M]
S630	EVQ21405R	SW DISC 5	[M]
S631	EVQ21405R	SW CINEMA	[M]
S632	EVQ21405R	SW OPEN/CLOSE	[M]
S971	RSH1A018-3U	SW MODE	[M]
S972	RSH1A019-2U	SW HALF	[M]
S973	RSH1A019-2U	SW CR02	[M]
S974	RSH1A019-2U	SW RECINH_R	[M]
S975	RSH1A019-2U	SW RECINH_F	[M]
		SWITCHES	
SW1	RSH1A032-U	SW PUSH	[M]
SW2	RSH1A032-U	SW PUSH	[M]
SW3	RSH1A005-1U	SWITCH	[M]
SW4	RSH1A91ZA-A	SW CD	[M]
SW5	RSP1A017-A	SW LOCK	[M]
SW2501	RSH1A048-A	SW LEAF	[M]
		CONNECTORS	
CN1	RJS1A9414	FF CONNECTOR	[M]
CN1A	RJS1A9414-1	14P CONNECTOR	[M]
CN100	RJS1A5209	9P MOLEX	[M]
CN301	RJS2A7726	FFC CONNECTOR	[M]
CN302	RJS2A7717	FFC CONNECTOR	[M]
CN351	RJP2G4YA	CONNECTOR	[M]
CN501	RJP6G18ZA	SOCKET	[M]
CN501	RJS2A7715	FFC CONNECTOR	[M]
CN502	RJP12G4YA	CONNECTOR	[M]
CN503	RJU057G10	10P P2 MQ CONNECTOR	[M]
CN504	RJU057G10	10P P2 MQ CONNECTOR	[M]
CN505	RJU057W004	SOCKET (4P)	[M]
CN601	RJS2A8430	CONNECTOR	[M]
CN602A	RJT066H10G	CONNECTOR	[M]
CN602B	RJU066H10M	10 B-B	[M]
CN603A	RJS2A3330	30P CONNECTOR	[M]
CN700	RJP2G17ZA	CONNECTOR	[M]
CN703	RJT029W03VT	CONNECTOR	[M]
CN1303	RJS9T7ZA	9P DECK TO MAIN	[M]
CS971	RJU071H09M1	CONNECTOR	[M]
CP201	RJT100W11	11P CONNECTOR	[M]
CP503	RJT057G10	10P P2 MQ CONNECTOR	[M]
CP504	RJT057G10	10P P2 MQ CONNECTOR	[M]
CP505	RJT057W004-1	CONNECTOR (4P)	[M]
CP521	RJP10G4YA	10P CONNECTOR	[M]
CP1301	RJS1A6805-J	5P CONNECTOR SOCKET	[M]
CP1902	RJT071K09A	9P B/B CONNECTOR	[M]
PS6201	VJS2961C010	10P CONNECTOR	[M]
LB2001	JALBK2HS470T	CHIP INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	
LB2002	JALBK2HS470T	CHIP INDUCTOR	[M]
LB2003	VLP0323A601R	CHIP INDUCTOR	[M]
LB2004	VLP0323A601R	CHIP INDUCTOR	[M]
LB2005	VLP0323A601R	CHIP INDUCTOR	[M]
LB2006	VLP0323A601R	CHIP INDUCTOR	[M]
LB2007	VLP0323A601R	CHIP INDUCTOR	[M]
LB2008	VLP0323A601R	CHIP INDUCTOR	[M]
LB2009	VLP0323A601R	CHIP INDUCTOR	[M]
LB2010	VLP0323A601R	CHIP INDUCTOR	[M]
LB2011	VLP0323A601R	CHIP INDUCTOR	[M]
LB2012	VLP0323A601R	CHIP INDUCTOR	[M]
LB2013	VLP0323A601R	CHIP INDUCTOR	[M]
LB2014	VLP0323A601R	CHIP INDUCTOR	[M]
LB2015	VLP0323A601R	CHIP INDUCTOR	[M]
LB2016	VLP0323A601R	CHIP INDUCTOR	[M]
LB2017	VLP0323A601R	CHIP INDUCTOR	[M]
LB2018	VLP0323A601R	CHIP INDUCTOR	[M]
LB2019	VLP0323A601R	CHIP INDUCTOR	[M]
LB2020	VLP0323A601R	CHIP INDUCTOR	[M]
LB2021	VLP0323A601R	CHIP INDUCTOR	[M]
LB2022	VLP0323A601R	CHIP INDUCTOR	[M]
LB2023	VLP0323A601R	CHIP INDUCTOR	[M]
LB2024	VLP0323A601R	CHIP INDUCTOR	[M]
LB2025	VLP0323A601R	CHIP INDUCTOR	[M]
LB2026	VLP0323A601R	CHIP INDUCTOR	[M]
LB2027	VLP0323A601R	CHIP INDUCTOR	[M]
LB2028	VLP0323A601R	CHIP INDUCTOR	[M]
LB2029	VLP0323A601R	CHIP INDUCTOR	[M]
LB2030	VLP0323A601R	CHIP INDUCTOR	[M]
LB2031	VLP0323A601R	CHIP INDUCTOR	[M]
LB2032	VLP0323A601R	CHIP INDUCTOR	[M]
LB2033	VLP0323A601R	CHIP INDUCTOR	[M]
LB2034	VLP0323A601R	CHIP INDUCTOR	[M]
LB2035	VLP0323A601R	CHIP INDUCTOR	[M]
LB3001	JALBK2HS470T	CHIP INDUCTOR	[M]
LB3002	JALBK2HS470T	CHIP INDUCTOR	[M]
LB3202	VLP0323A601R	CHIP INDUCTOR	[M]
LB3203	VLP0323A601R	CHIP INDUCTOR	[M]
LB3204	VLP0323A601R	CHIP INDUCTOR	[M]
LB3206	VLP0155-T	CHIP BEAD	[M]
LB3207	VLP0155-T	CHIP BEAD	[M]
LB3301	VLP0155-T	CHIP BEAD	[M]
LB3302	VLP0155-T	CHIP BEAD	[M]
LB3303	VLP0155-T	CHIP BEAD	[M]
LB3304	VLP0155-T	CHIP BEAD	[M]
LB3305	VLP0155-T	CHIP BEAD	[M]
LB4200	VLP0323A601R	CHIP INDUCTOR	[M]
LB4201	VLP0323A601R	CHIP INDUCTOR	[M]
LB4207	VLP0323A601R	CHIP INDUCTOR	[M]
LB4208	VLP0323A601R	CHIP INDUCTOR	[M]
LB4209	VLP0323A601R	CHIP INDUCTOR	[M]
LB4210	VLP0323A601R	CHIP INDUCTOR	[M]
LB4211	VLP0323A601R	CHIP INDUCTOR	[M]
LB4212	VLP0323A601R	CHIP INDUCTOR	[M]
LB4213	VLP0323A601R	CHIP INDUCTOR	[M]
LB4214	VLP0323A601R	CHIP INDUCTOR	[M]
LB4215	VLP0323A601R	CHIP INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	
LB4216	VLP0323A601R	CHIP INDUCTOR	[M]
LB4217	VLP0323A601R	CHIP INDUCTOR	[M]
LB5201	JALBK2HS470T	CHIP INDUCTOR	[M]
LB5202	VLP0323A601R	CHIP INDUCTOR	[M]
LB5203	VLP0155-T	CHIP BEAD	[M]
LB5204	VLP0155-T	CHIP BEAD	[M]
LB5205	VLP0323A601R	CHIP INDUCTOR	[M]
LB5206	VLP0323A601R	CHIP INDUCTOR	[M]
LB6201	VLP0323A601R	CHIP INDUCTOR	[M]
LB6202	VLP0155-T	CHIP BEAD	[M]
LB6221	VLP0323A601R	CHIP INDUCTOR	[M]
LB6501	VLP0323A601R	CHIP INDUCTOR	[M]
LB6502	VLP0323A601R	CHIP INDUCTOR	[M]
LB6512	VLP0155-T	CHIP BEAD	[M]
LB6513	VLP0323A601R	CHIP INDUCTOR	[M]
LB6514	VLP0155-T	CHIP BEAD	[M]
LB6515	VLP0157-T	CHIP INDUCTOR	[M]
LB7001	JALBK2HS470T	CHIP INDUCTOR	[M]
LB7002	JALBK2HS470T	CHIP INDUCTOR	[M]
		COILS & TRANSFORMERS	
L303	RLQB470JTD-D	RF CHOKE COIL	[M]
L451	RLQB100JTD-D	INDUCTOR	[M]
L452	RLQB100JTD-D	INDUCTOR	[M]
L453	RLQB100JTD-D	INDUCTOR	[M]
L500	RLQZ371	LINE FILTER	[M]
L502	RLQZR73MT-T	CHOKE COIL	[M]
L503	RLQZR73MT-T	CHOKE COIL	[M]
L504	RLQZR73MT-T	CHOKE COIL	[M]
L505	RLQZR73MT-T	CHOKE COIL	[M]
L506	RLQZR73MT-T	CHOKE COIL	[M]
L507	RLQZR73MT-T	CHOKE COIL	[M]
L601	RLBN102V-Y	CHIP INDUCTOR	[M]
L602	RLBN102V-Y	CHIP INDUCTOR	[M]
L604	RLQB101JTD-D	INDUCTOR	[M]
L605	RLBV252AV-Y	LINE COIL	[M]
L606	RLQB101JTD-D	INDUCTOR	[M]
L607	RLBV252AV-Y	LINE COIL	[M]
L608	RLBV252AV-Y	LINE COIL	[M]
L609	RLBV252AV-Y	LINE COIL	[M]
L611	RLBV252AV-Y	LINE COIL	[M]
L612	RLBV252AV-Y	LINE COIL	[M]
L613	RLBV252AV-Y	LINE COIL	[M]
L614	RLBV252AV-Y	LINE COIL	[M]
L615	RLBV252AV-Y	LINE COIL	[M]
L701	RLL500050T-Y	RF CHOKE COIL	[M]
L703	RLL500050T-Y	RF CHOKE COIL	[M]
L704	RLL500050T-Y	RF CHOKE COIL	[M]
L705	RLL500050T-Y	RF CHOKE COIL	[M]
L712	RLQX101M-T	COIL	[M]
L750	VLP0145-T	CHIP INDUCTOR	[M]
L751	VLP0145-T	CHIP INDUCTOR	[M]
L752	VLP0145-T	CHIP INDUCTOR	[M]
L801	RLBN102V-Y	CHIP INDUCTOR	[M]
L803	RLBN102V-Y	CHIP INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	
L805	RLL500050T-Y	RF CHOKE COIL	[M]
L807	RLQB100JTD-D	INDUCTOR	[M]
L808	RLQB100JTD-D	INDUCTOR	[M]
L809	RLBN102V-Y	CHIP INDUCTOR	[M]
L814	RLL500050T-Y	RF CHOKE COIL	[M]
L1301	7L1A62N	BIAS OSC COIL	[M]
L1301	7L1A62N	BIAS OSC COIL	[M]
L2001	G1C100KA0019	CHIP INDUCTOR	[M]
L2002	G1C100KA0019	CHIP INDUCTOR	[M]
L2003	G1C100KA0008	CHIP INDUCTOR	[M]
L3091	G1C100KA0008	CHIP INDUCTOR	[M]
L3301	G1C220K00011	CHIP INDUCTOR	[M]
L4211	G1C220K00011	CHIP INDUCTOR	[M]
L5201	ELJEA100KF	CHIP INDUCTOR	[M]
L5202	ELJEA100KF	CHIP INDUCTOR	[M]
L5251	ELJEA100KF	CHIP INDUCTOR	[M]
L6501	G1C220JA0010	CHIP INDUCTOR	[M]
L6502	ELJFC220KF	CHIP INDUCTOR	[M]
T501	ETP76VST613A	POWER TRANSFORMER	[M]
T502	RTP1H3E002	BACK UP TRANSFORMER	[M]
		COMPONENT COMBINATIO	
Z501	ERZV10V511CS	ZENER	[M]
Z601	RCDRPM6937V4	REMOTE SENSOR	[M]
Z971	EXBF7L355SYV	RADA RESISTOR	[M]
		RELAY	
RLY502	RSY0040M-0	PRIMARY RELAY	[M]
		OSCILLATORS	
X451	RSXY8M00D01T	CERAMIC RESONATOR	[M]
X452	RSXY8M00D01T	CERAMIC RESONATOR	[M]
X601	RSXD32K7S02	CRYSTAL OSCILLATOR	[M]
X602	H2B400400013	CRYSTAL OSCILLATOR	[M]
X801	RSXZ36M8M01T	RESONATOR	[M]
X6501	VSX1044	CRYSTAL OSCILLATOR	[M]
		DISPLAY TUBE	
FL601	RSL0311-F	FL	[M]
FL4201	VLF1505M105T	CHIP FILTER	[M]
FL6251	VLF1505M105T	CHIP FILTER	[M]
FL6253	VLF1505M105T	CHIP FILTER	[M]
FL6254	VLF1505M105T	CHIP FILTER	[M]
FL6255	VLF1491S104T	CHIP FILTER	[M]
		FUSES	
F1	XBA2C20TB0	FUSE 100	[M]
F2	XBA2C20TB0	FUSE 100	[M]

Ref. No.	Part No.	Part Name & Description	
		FUSE HOLDERS	
FC501	EYF52BC	FUSE HOLDER	[M]
FC502	EYF52BC	FUSE HOLDER	[M]
FC503	EYF52BC	FUSE HOLDER	[M]
		FUSE PROTECTOR	
FP501	K5G402AA0002	FUSE PROTECTOR	[M]
FP701	K5G402AA0002	FUSE PROTECTOR	[M]
FP2001	K1MN50B00010	CONNECTOR	[M]
FP3202	RJS2A7517T	CONNECTOR	[M]
FP3203	RJS2A7515T	FMN CNNECTOR	[M]
FP4202	RJS2A7526T	FMN CNNECTOR	[M]
FP5201	K1MN30B00062	CONNECTOR	[M]
FP5202	K1MN50B00010	CONNECTOR	[M]
		HOLDERS	
H501	RMN0635	FL HOLDER	[M]
H502	RJS1A5512	12P WIRE HOLDER	[M]
H521	RJS1A5510	WIRE HOLDER	[M]
H601	RMR0318	9P CABLE HOLDER	[M]
H602	RMR0315	6P CABLE HOLDER	[M]
H603A	RMR0318	9P CABLE HOLDER	[M]
H603B	RMR0318	9P CABLE HOLDER	[M]
H604A	RMR0317	8P CABLE HOLDER	[M]
H604B	RMR0317	8P CABLE HOLDER	[M]
H605A	RMR0315	6P CABLE HOLDER	[M]
H605B	RMR0315	6P CABLE HOLDER	[M]
H1304	RMR0318	9P CABLE HOLDER	[M]
HOL2	RMN0637	SENSER HOLDER	[M]
		JACKS	
JK201	RJH2213N	JK 2P RCA PIN	[M]
JK202	RJH2110N-2	JK SUB-WOOFER	[M]
JK500	SJS9236-1	JK SOCKET	[M]
JK501	RJR0054M-J	JK SPEAKER	[M]
JK502	RJR0054M-J	JK SPEAKER	[M]
JK503	RJH5603-9	JK SPEAKER	[M]
JK601	RJJ37TK07-X	JK HP/MIC	[M]
JK602	RJJ37TK07-X	JK HP/MIC	[M]
JK603	RJJ37TK07-X	JK HP/MIC	[M]
JK701	RJH8203N	JK VIDEO	[M]
		EARTH TERMINAL	
E500	SNE1004-2	EARTH TERMINAL	[M]
E501	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W1	REE0971	WIRE (YELLOW)	[M]
W1	REE0863	PRI WIRE RED	[M]

Ref. No.	Part No.	Part Name & Description	
W1	REZ1023-1	4P WIRE	[M]
W2	REE1113	FLAT WIRE	[M]
W2	REZ1024	3P WIRE	[M]
W5	REEX0057	WIRE (ORANGE)	[M]
W6	REEX0058-A	WIRE (GREY)	[M]
W7	REE0972	WIRE (VIOLET)	[M]
W8	REEX0086	WIRE (RED)	[M]
W9	REE0974	WIRE (BLACK/ORANGE)	[M]
W10	REE0973	WIRE (BROWN)	[M]
W500	REX1076	FLAT WIRE	[M]
W502	REX1071-1	TRANS TO POWER FLAT	[M]
W503	REX1075	FLAT WIRE	[M]
W521	REX1073	POWER TO SPK FLAT	[M]
W601	RWJ1109100XX	PANEL TO DECK FLAT	[M]
W602	REX1072	TRANS TO PANEL FLAT	[M]
W603	RWJ1109230XX	WIRE	[M]
W604	RWJ1108100XX	WIRE	[M]
W605	RWJ1106100XX	FLAT WIRE	[M]
W700	REX1074	2P WIRE	[M]
W1304	RWJ1109140XX	WIRE	[M]
W1903	RWJ0102050CK	WIRE	[M]
		JUMPER PLATE	
PL1	RJR0199	JUMPER PLATE	[M]
		RESISTORS	
R1	ERDS2TJ102T	1K 1/4W	[M]
R200	ERJ3GEYJ472V	4.7K 1/16W	[M]
R201	ERJ3GEYJ123V	12K 1/16W	[M]
R202	ERJ3GEYJ123V	12K 1/16W	[M]
R203	ERJ3GEYJ122V	1.2K 1/16W	[M]
R204	ERJ3GEYJ122V	1.2K 1/16W	[M]
R205	ERJ3GEYJ472V	4.7K 1/16W	[M]
R206	ERJ3GEYJ102V	1K 1/16W	[M]
R207	ERJ3GEYJ183V	18K 1/16W	[M]
R208	ERJ3GEYJ223V	22K 1/16W	[M]
R211	ERJ3GEYJ102V	1K 1/16W	[M]
R212	ERJ3GEYJ102V	1K 1/16W	[M]
R213	ERJ3GEYJ682V	6.8K 1/16W	[M]
R214	ERJ3GEYJ682V	6.8K 1/16W	[M]
R215	ERJ3GEYJ682V	6.8K 1/16W	[M]
R216	ERJ3GEYJ682V	6.8K 1/16W	[M]
R217	ERJ3GEYJ183V	18K 1/16W	[M]
R218	ERJ3GEYJ183V	18K 1/16W	[M]
R219	ERJ3GEYJ272V	2.7K 1/16W	[M]
R220	ERJ3GEYJ272V	2.7K 1/16W	[M]
R221	ERJ3GEYJ123V	12K 1/16W	[M]
R222	ERJ3GEYJ103V	10K 1/16W	[M]
R223	ERJ3GEYJ272V	2.7K 1/16W	[M]
R224	ERJ3GEYJ473V	47K 1/16W	[M]
R225	ERJ3GEYJ392V	3.9K 1/16W	[M]
R226	ERJ3GEYJ392V	3.9K 1/16W	[M]
R227	ERJ3GEYJ392V	3.9K 1/16W	[M]
R228	ERJ3GEYJ392V	3.9K 1/16W	[M]
R229	ERJ3GEYJ473V	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R230	ERJ3GEYJ473V	47K 1/16W	[M]
R231	ERJ3GEYJ472V	4.7K 1/16W	[M]
R232	ERJ3GEYJ472V	4.7K 1/16W	[M]
R233	ERJ3GEYJ472V	4.7K 1/16W	[M]
R234	ERJ3GEYJ472V	4.7K 1/16W	[M]
R235	ERJ3GEYJ221V	220 1/16W	[M]
R236	ERJ3GEYJ221V	220 1/16W	[M]
R237	ERJ3GEYJ104V	100K 1/16W	[M]
R238	ERJ3GEYJ104V	100K 1/16W	[M]
R239	ERJ3GEYJ473V	47K 1/16W	[M]
R240	ERJ3GEYJ473V	47K 1/16W	[M]
R241	ERJ3GEYJ563V	56K 1/16W	[M]
R242	ERJ3GEYJ563V	56K 1/16W	[M]
R243	ERJ3GEYJ822V	8.2K 1/16W	[M]
R244	ERJ3GEYJ822V	8.2K 1/16W	[M]
R245	ERJ3GEYJ333V	33K 1/16W	[M]
R246	ERJ3GEYJ333V	33K 1/16W	[M]
R247	ERJ3GEYJ272V	2.7K 1/16W	[M]
R248	ERJ3GEYJ272V	2.7K 1/16W	[M]
R249	ERJ3GEYJ471V	470 1/16W	[M]
R250	ERJ3GEYJ471V	470 1/16W	[M]
R251	ERJ3GEYJ100V	10 1/16W	[M]
R252	ERJ3GEYJ100V	10 1/16W	[M]
R253	ERJ3GEYJ222V	2.2K 1/16W	[M]
R254	ERJ3GEYJ222V	2.2K 1/16W	[M]
R255	ERJ3GEYJ154V	150K 1/16W	[M]
R256	ERJ3GEYJ102V	1K 1/16W	[M]
R259	ERJ3GEYJ103V	10K 1/16W	[M]
R260	ERJ3GEYJ103V	10K 1/16W	[M]
R261	ERJ3GEYJ334V	330K 1/16W	[M]
R262	ERJ3GEYJ334V	330K 1/16W	[M]
R263	ERJ3GEYJ223V	22K 1/16W	[M]
R264	ERJ3GEYJ223V	22K 1/16W	[M]
R265	ERJ3GEYJ102V	1K 1/16W	[M]
R266	ERJ3GEYJ102V	1K 1/16W	[M]
R267	ERJ3GEYJ332V	3.3K 1/16W	[M]
R268	ERJ3GEYJ332V	3.3K 1/16W	[M]
R269	ERJ3GEYJ683V	68K 1/16W	[M]
R270	ERJ3GEYJ683V	68K 1/16W	[M]
R271	ERJ3GEYJ390V	39 1/16W	[M]
R272	ERJ3GEYJ390V	39 1/16W	[M]
R273	ERJ3GEYJ390V	39 1/16W	[M]
R274	ERJ3GEYJ390V	39 1/16W	[M]
R275	ERJ3GEYJ561V	560 1/16W	[M]
R276	ERJ3GEYJ561V	560 1/16W	[M]
R277	ERJ3GEYJ123V	12K 1/16W	[M]
R278	ERJ3GEYJ473V	47K 1/16W	[M]
R279	ERJ3GEYJ182V	1.8K 1/16W	[M]
R280	ERJ3GEYJ473V	47K 1/16W	[M]
R281	ERJ3GEYJ183V	18K 1/16W	[M]
R282	ERJ3GEYJ473V	47K 1/16W	[M]
R283	ERJ3GEYJ393V	39K 1/16W	[M]
R284	ERJ3GEYJ393V	39K 1/16W	[M]
R285	ERJ3GEYJ153V	15K 1/16W	[M]
R286	ERJ3GEYJ104V	100K 1/16W	[M]
R287	ERJ3GEYJ273V	27K 1/16W	[M]
R288	ERJ3GEYJ824V	820K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R289	ERJ3GEYJ472V	4.7K 1/16W	[M]
R290	ERJ3GEYJ472V	4.7K 1/16W	[M]
R291	ERJ3GEYJ472V	4.7K 1/16W	[M]
R292	ERJ3GEYJ183V	18K 1/16W	[M]
R293	ERJ3GEYJ223V	22K 1/16W	[M]
R294	ERJ3GEYJ102V	1K 1/16W	[M]
R296	ERJ3GEYJ274V	270K 1/16W	[M]
R298	ERJ3GEYJ822V	8.2K 1/16W	[M]
R299	ERJ3GEYJ183V	18K 1/16W	[M]
R301	ERJ3GEYJ273V	27K 1/16W	[M]
R302	ERJ3GEYJ273V	27K 1/16W	[M]
R303	ERJ3GEYJ332V	3.3K 1/16W	[M]
R304	ERJ3GEYJ332V	3.3K 1/16W	[M]
R305	ERJ3GEYJ563V	56K 1/16W	[M]
R306	ERJ3GEYJ563V	56K 1/16W	[M]
R307	ERJ3GEYJ102V	1K 1/16W	[M]
R308	ERJ3GEYJ102V	1K 1/16W	[M]
R309	ERJ3GEYJ222V	2.2K 1/16W	[M]
R310	ERJ3GEYJ332V	3.3K 1/16W	[M]
R311	ERJ3GEYJ184V	180K 1/16W	[M]
R312	ERJ3GEYJ273V	27K 1/16W	[M]
R313	ERJ3GEYJ332V	3.3K 1/16W	[M]
R314	ERJ3GEYJ332V	3.3K 1/16W	[M]
R315	ERJ3GEYJ563V	56K 1/16W	[M]
R316	ERJ3GEYJ563V	56K 1/16W	[M]
R317	ERJ3GEYJ102V	1K 1/16W	[M]
R318	ERJ3GEYJ102V	1K 1/16W	[M]
R336	ERJ3GEYJ153V	15K 1/16W	[M]
R351	ERJ3GEYJ103V	10K 1/16W	[M]
R352	ERJ3GEYJ563V	56K 1/16W	[M]
R353	ERJ3GEYJ472V	4.7K 1/16W	[M]
R354	ERJ3GEYJ824V	820K 1/16W	[M]
R355	ERJ3GEYJ562V	5.6K 1/16W	[M]
R356	ERJ3GEYJ101V	100 1/16W	[M]
R357	ERJ3GEYJ103V	10K 1/16W	[M]
R358	ERJ3GEYJ563V	56K 1/16W	[M]
R359	ERDS1FVJ180T	18 1/2W	[M]
R361	ERJ3GEYJ563V	56K 1/16W	[M]
R362	ERJ3GEYJ103V	10K 1/16W	[M]
R363	ERJ3GEYJ104V	100K 1/16W	[M]
R366	ERJ3GEYJ224V	220K 1/16W	[M]
R368	ERJ3GEYJ333V	33K 1/16W	[M]
R374	ERJ3GEYJ332V	3.3K 1/16W	[M]
R375	ERJ3GEYJ393V	39K 1/16W	[M]
R376	ERJ3GEYJ472V	4.7K 1/16W	[M]
R377	ERJ3GEYJ103V	10K 1/16W	[M]
R378	ERJ3GEYJ102V	1K 1/16W	[M]
R379	ERJ3GEYJ224V	220K 1/16W	[M]
R380	ERJ3GEYJ683V	68K 1/16W	[M]
R381	ERJ3GEYJ122V	1.2K 1/16W	[M]
R382	ERJ3GEYJ122V	1.2K 1/16W	[M]
R383	ERJ3GEYJ472V	4.7K 1/16W	[M]
R384	ERJ3GEYJ1R0V	1 1/16W	[M]
R385	ERJ3GEYJ472V	4.7K 1/16W	[M]
R386	ERJ3GEYJ472V	4.7K 1/16W	[M]
R387	ERJ3GEYJ1R0V	1 1/16W	[M]
R388	ERJ3GEYJ823V	82K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R390	ERJ3GEYJ473V	47K 1/16W	[M]
R401	ERJ3GEYJ104V	100K 1/16W	[M]
R402	ERJ3GEYJ332V	3.3K 1/16W	[M]
R403	ERJ3GEYJ473V	47K 1/16W	[M]
R404	ERJ3GEYJ102V	1K 1/16W	[M]
R405	ERJ3GEYJ183V	18K 1/16W	[M]
R406	ERJ3GEYJ223V	22K 1/16W	[M]
R407	ERJ3GEYJ103V	10K 1/16W	[M]
R408	ERJ3GEYJ823V	82K 1/16W	[M]
R409	ERJ3GEYJ823V	82K 1/16W	[M]
R410	ERJ3GEYJ822V	8.2K 1/16W	[M]
R411	ERJ3GEYJ153V	15K 1/16W	[M]
R414	ERJ3GEYJ103V	10K 1/16W	[M]
R415	ERJ3GEYJ222V	2.2K 1/16W	[M]
R416	ERJ3GEYJ473V	47K 1/16W	[M]
R417	ERJ3GEYJ332V	3.3K 1/16W	[M]
R418	ERJ3GEYJ332V	3.3K 1/16W	[M]
R419	ERJ3GEYJ472V	4.7K 1/16W	[M]
R427	ERJ3GEYJ102V	1K 1/16W	[M]
R431	ERJ3GEYJ102V	1K 1/16W	[M]
R432	ERJ3GEYJ152V	1.5K 1/16W	[M]
R433	ERJ3GEYJ331V	330 1/16W	[M]
R434	ERJ3GEYJ331V	330 1/16W	[M]
R435	ERJ3GEYJ331V	330 1/16W	[M]
R436	ERJ3GEYJ472V	4.7K 1/16W	[M]
R437	ERJ3GEYJ472V	4.7K 1/16W	[M]
R438	ERJ3GEYJ472V	4.7K 1/16W	[M]
R439	ERJ3GEYJ472V	4.7K 1/16W	[M]
R441	ERJ3GEYJ103V	10K 1/16W	[M]
R447	ERJ3GEYJ153V	15K 1/16W	[M]
R448	ERJ3GEYJ153V	15K 1/16W	[M]
R451	ERJ3GEYJ102V	1K 1/16W	[M]
R452	ERJ3GEYJ103V	10K 1/16W	[M]
R453	ERJ3GEYJ103V	10K 1/16W	[M]
R453	ERJ3GEYJ223V	22K 1/16W	[M]
R453	ERJ3GEYJ332V	3.3K 1/16W	[M]
R453	ERJ3GEYJ472V	4.7K 1/16W	[M]
R453	ERJ3GEYJ682V	6.8K 1/16W	[M]
R454	ERJ3GEYJ103V	10K 1/16W	[M]
R455	ERJ3GEYJ221V	220 1/16W	[M]
R456	ERJ3GEYJ221V	220 1/16W	[M]
R457	ERJ3GEYJ221V	220 1/16W	[M]
R458	ERJ3GEYJ221V	220 1/16W	[M]
R459	ERJ3GEYJ221V	220 1/16W	[M]
R460	ERJ3GEYJ681V	680 1/16W	[M]
R461	ERJ3GEYJ472V	4.7K 1/16W	[M]
R462	ERJ3GEYJ473V	47K 1/16W	[M]
R463	ERJ3GEYJ472V	4.7K 1/16W	[M]
R464	ERJ3GEYJ103V	10K 1/16W	[M]
R465	ERJ3GEYJ472V	4.7K 1/16W	[M]
R466	ERJ3GEYJ103V	10K 1/16W	[M]
R471	ERJ3GEYJ221V	220 1/16W	[M]
R472	ERJ3GEYJ221V	220 1/16W	[M]
R473	ERJ3GEYJ221V	220 1/16W	[M]
R474	ERJ3GEYJ221V	220 1/16W	[M]
R475	ERJ3GEYJ103V	10K 1/16W	[M]
R476	ERJ3GEYJ102V	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R477	ERJ3GEYJ221V	220 1/16W	[M]
R478	ERJ3GEYJ681V	680 1/16W	[M]
R479	ERJ3GEYJ472V	4.7K 1/16W	[M]
R480	ERJ3GEYJ104V	100K 1/16W	[M]
R481	ERJ3GEYJ472V	4.7K 1/16W	[M]
R483	ERJ3GEYJ472V	4.7K 1/16W	[M]
R485	ERJ3GEYJ103V	10K 1/16W	[M]
R486	ERJ3GEYJ472V	4.7K 1/16W	[M]
R487	ERJ3GEYJ104V	100K 1/16W	[M]
R488	ERJ3GEYJ104V	100K 1/16W	[M]
R489	ERJ3GEYJ221V	220 1/16W	[M]
R490	ERJ3GEYJ221V	220 1/16W	[M]
R491	ERJ3GEYJ221V	220 1/16W	[M]
R492	ERJ3GEYJ221V	220 1/16W	[M]
R493	ERJ3GEYJ221V	220 1/16W	[M]
R494	ERJ3GEYJ102V	1K 1/16W	[M]
R495	ERJ3GEYJ472V	4.7K 1/16W	[M]
R496	ERJ3GEYJ221V	220 1/16W	[M]
R497	ERJ3GEYJ221V	220 1/16W	[M]
R498	ERJ3GEYJ102V	1K 1/16W	[M]
R499	ERJ3GEYJ102V	1K 1/16W	[M]
R501	ERDS2TJ392T	3.9K 1/4W	[M]
R502	ERDS2TJ392T	3.9K 1/4W	[M]
R503	ERDS2TJ153T	15K 1/4W	[M]
R504	ERDS2TJ153T	15K 1/4W	[M]
R505	ERDS2TJ153T	15K 1/4W	[M]
R506	ERDS2TJ153T	15K 1/4W	[M]
R507	ERDS2TJ392T	3.9K 1/4W	[M]
R508	ERDS2TJ392T	3.9K 1/4W	[M]
R509	ERDS2TJ332T	3.3K 1/4W	[M]
R510	ERDS2TJ392T	3.9K 1/4W	[M]
R511	ERDS2TJ153T	15K 1/4W	[M]
R512	ERDS2TJ224T	220K 1/4W	[M]
R513	ERDS2TJ563T	56K 1/4W	[M]
R514	ERDS2TJ563T	56K 1/4W	[M]
R515	ERDS2TJ563T	56K 1/4W	[M]
R516	ERDS2TJ563T	56K 1/4W	[M]
R517	ERDS2TJ563T	56K 1/4W	[M]
R518	ERDS2TJ563T	56K 1/4W	[M]
R519	ERDS2TJ824T	820K 1/4W	[M]
R520	ERDS2TJ103T	10K 1/4W	[M]
R521	ERDS2TJ103T	10K 1/4W	[M]
R522	ERDS2TJ273T	27K 1/4W	[M]
R523	ERDS2TJ124T	120K 1/4W	[M]
R524	ERDS2TJ124T	120K 1/4W	[M]
R525	ERDS2TJ154T	150K 1/4W	[M]
R526	ERDS2TJ124T	120K 1/4W	[M]
R527	ERDS2TJ124T	120K 1/4W	[M]
R528	ERDS2TJ154T	150K 1/4W	[M]
R529	ERDS2TJ223T	22K 1/4W	[M]
R530	ERDS2TJ100T	10 1/4W	[M]
R531	ERDS2TJ100T	10 1/4W	[M]
R532	ERDS2TJ100T	10 1/4W	[M]
R533	ERDS2TJ100T	10 1/4W	[M]
R534	ERDS2TJ100T	10 1/4W	[M]
R535	ERDS2TJ100T	10 1/4W	[M]
R537	ERDS1FVJ100T	10 1/2W	[M]

Ref. No.	Part No.	Part Name & Description	
R538	ERDS1FVJ100T	10 1/2W	[M]
R539	ERDS1FVJ100T	10 1/2W	[M]
R540	ERDS1FVJ100T	10 1/2W	[M]
R541	ERDS1FVJ100T	10 1/2W	[M]
R542	ERDS1FVJ100T	10 1/2W	[M]
R545	ERDS2TJ153T	15K 1/4W	[M]
R567	ERDS2TJ2R2T	2.2 1/4W	[M]
R568	ERDS2TJ2R2T	2.2 1/4W	[M]
R570	ERD2FCVG390T	39 1/4W	[M]
R571	ERDS2TJ473T	47K 1/4W	[M]
R572	ERDS2TJ153T	15K 1/4W	[M]
R573	ERDS2TJ392T	3.9K 1/4W	[M]
R574	ERDS2TJ474T	470K 1/4W	[M]
R575	ERDS2TJ154T	150K 1/4W	[M]
R576	ERDS2TJ562T	5.6K 1/4W	[M]
R578	ERDS2TJ152T	1.5K 1/4W	[M]
R579	ERDS2TJ332T	3.3K 1/4W	[M]
R580	ERDS2TJ824T	820K 1/4W	[M]
R581	ERDS1FVJ472T	4.7K 1/2W	[M]
R585	ERDS2TJ122T	1.2K 1/4W	[M]
R586	ERDS2TJ152T	1.5K 1/4W	[M]
R587	ERDS2TJ103T	10K 1/4W	[M]
R588	ERDS2TJ472T	4.7K 1/4W	[M]
R589	ERDS2TJ151T	150 1/4W	[M]
R592	ERDS2TJ180T	18 1/4W	[M]
R593	ERDS2TJ103T	10K 1/4W	[M]
R594	ERDS2TJ103T	10K 1/4W	[M]
R595	ERDS2TJ332T	3.3K 1/4W	[M]
R596	ERDS2TJ151T	150 1/4W	[M]
R596	ERDS2TJ824T	820K 1/4W	[M]
R597	ERDS2TJ182T	1.8K 1/4W	[M]
R597	ERDS2TJ472T	4.7K 1/4W	[M]
R598	ERDS2TJ2R2T	2.2 1/4W	[M]
R599	ERDS2TJ180T	18 1/4W	[M]
R601	ERJ3GEYJ102V	1K 1/16W	[M]
R607	ERJ3GEYJ102V	1K 1/16W	[M]
R608	ERJ3GEYJ681V	680 1/16W	[M]
R609	ERJ3GEYJ473V	47K 1/16W	[M]
R610	ERJ3GEYJ102V	1K 1/16W	[M]
R611	ERJ3GEYJ102V	1K 1/16W	[M]
R612	ERJ3GEYJ101V	100 1/16W	[M]
R613	ERJ3GEYJ102V	1K 1/16W	[M]
R614	ERJ3GEYJ102V	1K 1/16W	[M]
R615	ERJ3GEYJ102V	1K 1/16W	[M]
R616	ERJ3GEYJ122V	1.2K 1/16W	[M]
R617	ERJ3GEYJ182V	1.8K 1/16W	[M]
R618	ERJ3GEYJ472V	4.7K 1/16W	[M]
R619	ERJ3GEYJ682V	6.8K 1/16W	[M]
R623	ERJ3GEYJ102V	1K 1/16W	[M]
R624	ERJ3GEYJ102V	1K 1/16W	[M]
R625	ERJ3GEYJ122V	1.2K 1/16W	[M]
R626	ERJ3GEYJ222V	2.2K 1/16W	[M]
R627	ERJ3GEYJ272V	2.7K 1/16W	[M]
R628	ERJ3GEYJ102V	1K 1/16W	[M]
R629	ERJ3GEYJ473V	47K 1/16W	[M]
R630	ERJ3GEYJ473V	47K 1/16W	[M]
R631	ERJ3GEYJ121V	120 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R632	ERJ3GEYJ101V	100 1/16W	[M]
R636	ERJ3GEYJ152V	1.5K 1/16W	[M]
R637	ERJ3GEYJ223V	22K 1/16W	[M]
R638	ERJ3GEYJ101V	100 1/16W	[M]
R639	ERJ3GEYJ101V	100 1/16W	[M]
R640	ERJ3GEYJ101V	100 1/16W	[M]
R641	ERJ3GEYJ101V	100 1/16W	[M]
R642	ERJ3GEYJ101V	100 1/16W	[M]
R643	ERJ3GEYJ101V	100 1/16W	[M]
R644	ERJ3GEYJ101V	100 1/16W	[M]
R645	ERJ3GEYJ103V	10K 1/16W	[M]
R646	ERJ3GEYJ103V	10K 1/16W	[M]
R647	ERJ3GEYJ103V	10K 1/16W	[M]
R649	ERJ3GEYJ473V	47K 1/16W	[M]
R650	ERJ3GEYJ223V	22K 1/16W	[M]
R651	ERJ3GEYJ102V	1K 1/16W	[M]
R652	ERJ3GEYJ103V	10K 1/16W	[M]
R653	ERJ3GEYJ106V	10M 1/16W	[M]
R654	ERJ3GEYJ334V	330K 1/16W	[M]
R655	ERJ3GEYJ331V	330 1/16W	[M]
R656	ERJ3GEYJ223V	22K 1/16W	[M]
R657	ERJ3GEYJ473V	47K 1/16W	[M]
R661	ERJ3GEYJ104V	100K 1/16W	[M]
R662	ERJ3GEYJ104V	100K 1/16W	[M]
R663	ERJ3GEYJ104V	100K 1/16W	[M]
R664	ERJ3GEYJ104V	100K 1/16W	[M]
R671	ERJ3GEYJ104V	100K 1/16W	[M]
R672	ERJ3GEYJ104V	100K 1/16W	[M]
R673	ERJ3GEYJ104V	100K 1/16W	[M]
R674	ERJ3GEYJ104V	100K 1/16W	[M]
R675	ERJ3GEYJ104V	100K 1/16W	[M]
R676	ERJ3GEYJ104V	100K 1/16W	[M]
R677	ERJ3GEYJ104V	100K 1/16W	[M]
R678	ERJ3GEYJ104V	100K 1/16W	[M]
R679	ERJ3GEYJ104V	100K 1/16W	[M]
R680	ERJ3GEYJ223V	22K 1/16W	[M]
R682	ERJ3GEYJ103V	10K 1/16W	[M]
R683	ERJ3GEYJ103V	10K 1/16W	[M]
R684	ERJ3GEYJ103V	10K 1/16W	[M]
R685	ERJ3GEYJ104V	100K 1/16W	[M]
R686	ERJ3GEYJ104V	100K 1/16W	[M]
R687	ERJ3GEYJ104V	100K 1/16W	[M]
R688	ERJ3GEYJ680V	68 1/16W	[M]
R689	ERJ3GEYJ680V	68 1/16W	[M]
R690	ERJ3GEYJ474V	470K 1/16W	[M]
R691	ERJ3GEYJ472V	4.7K 1/16W	[M]
R694	ERJ3GEYJ104V	100K 1/16W	[M]
R695	ERJ3GEYJ223V	22K 1/16W	[M]
R697	ERJ3GEYJ472V	4.7K 1/16W	[M]
R698	ERJ3GEYJ223V	22K 1/16W	[M]
R699	ERJ3GEYJ102V	1K 1/16W	[M]
R701	ERJ3GEYJ222V	2.2K 1/16W	[M]
R703	ERJ3GEYJ104V	100K 1/16W	[M]
R704	ERJ3GEYJ103V	10K 1/16W	[M]
R707	ERJ3GEYJ223V	22K 1/16W	[M]
R709	ERJ3GEYJ183V	18K 1/16W	[M]
R710	ERJ3GEYJ472V	4.7K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R711	ERJ3GEYJ561V	560 1/16W	[M]
R712	ERJ3GEYJ331V	330 1/16W	[M]
R714	ERJ3GEYJ102V	1K 1/16W	[M]
R716	ERJ3GEYJ102V	1K 1/16W	[M]
R717	ERJ3GEYJ153V	15K 1/16W	[M]
R718	ERJ3GEYJ473V	47K 1/16W	[M]
R719	ERJ3GEYJ154V	150K 1/16W	[M]
R720	ERJ3GEYJ472V	4.7K 1/16W	[M]
R721	ERJ3GEYJ681V	680 1/16W	[M]
R722	ERJ3GEYJ151V	150 1/16W	[M]
R723	ERJ3GEYJ102V	1K 1/16W	[M]
R724	ERJ3GEYJ822V	8.2K 1/16W	[M]
R725	ERJ3GEYJ222V	2.2K 1/16W	[M]
R726	ERJ3GEYJ183V	18K 1/16W	[M]
R727	ERJ3GEYJ222V	2.2K 1/16W	[M]
R728	ERJ3GEYJ102V	1K 1/16W	[M]
R729	ERJ3GEYJ103V	10K 1/16W	[M]
R730	ERJ3GEYJ153V	15K 1/16W	[M]
R731	ERJ3GEYJ104V	100K 1/16W	[M]
R732	ERJ3GEYJ153V	15K 1/16W	[M]
R733	ERJ3GEYJ103V	10K 1/16W	[M]
R734	ERJ3GEYJ223V	22K 1/16W	[M]
R735	ERJ3GEYJ223V	22K 1/16W	[M]
R736	ERJ3GEYJ104V	100K 1/16W	[M]
R737	ERJ3GEYJ472V	4.7K 1/16W	[M]
R738	ERJ3GEYJ183V	18K 1/16W	[M]
R739	ERJ3GEYJ102V	1K 1/16W	[M]
R740	ERJ3GEYJ153V	15K 1/16W	[M]
R741	ERJ3GEYJ102V	1K 1/16W	[M]
R742	ERJ3GEYJ153V	15K 1/16W	[M]
R743	ERJ3GEYJ473V	47K 1/16W	[M]
R744	ERJ3GEYJ103V	10K 1/16W	[M]
R745	ERJ3GEYJ334V	330K 1/16W	[M]
R746	ERJ3GEYJ1R0V	1 1/16W	[M]
R747	ERJ3GEYJ1R0V	1 1/16W	[M]
R748	ERJ3GEYJ473V	47K 1/16W	[M]
R749	ERJ3GEYJ102V	1K 1/16W	[M]
R750	ERJ3GEYJ473V	47K 1/16W	[M]
R751	ERJ3GEYJ102V	1K 1/16W	[M]
R752	ERJ3GEYJ223V	22K 1/16W	[M]
R753	ERJ3GEYJ563V	56K 1/16W	[M]
R754	ERJ3GEYJ563V	56K 1/16W	[M]
R755	ERJ3GEYJ1R0V	1 1/16W	[M]
R756	ERJ3GEYJ1R0V	1 1/16W	[M]
R757	ERJ3GEYJ183V	18K 1/16W	[M]
R759	ERJ3GEYJ102V	1K 1/16W	[M]
R760	ERJ3GEYJ102V	1K 1/16W	[M]
R761	ERJ3GEYJ102V	1K 1/16W	[M]
R762	ERJ3GEYJ102V	1K 1/16W	[M]
R763	ERJ3GEYJ473V	47K 1/16W	[M]
R764	ERJ3GEYJ473V	47K 1/16W	[M]
R765	ERJ3GEYJ154V	150K 1/16W	[M]
R766	ERJ3GEYJ154V	150K 1/16W	[M]
R767	ERJ3GEYJ681V	680 1/16W	[M]
R768	ERJ3GEYJ472V	4.7K 1/16W	[M]
R769	ERJ3GEYJ561V	560 1/16W	[M]
R770	ERJ3GEYJ223V	22K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R771	ERJ6GEYJ1R0V	1 1/10W	[M]
R772	ERJ6GEYJ1R0V	1 1/10W	[M]
R773	ERJ6GEYJ1R0V	1 1/10W	[M]
R774	ERJ6GEYJ1R0V	1 1/10W	[M]
R775	ERJ3GEYJ102V	1K 1/16W	[M]
R776	ERJ3GEYJ223V	22K 1/16W	[M]
R778	ERJ3GEYJ102V	1K 1/16W	[M]
R779	ERJ3GEYJ472V	4.7K 1/16W	[M]
R781	ERJ3GEYJ102V	1K 1/16W	[M]
R782	ERJ3GEYJ104V	100K 1/16W	[M]
R783	ERJ3GEYJ104V	100K 1/16W	[M]
R784	ERJ3GEYJ103V	10K 1/16W	[M]
R785	ERJ3GEYJ103V	10K 1/16W	[M]
R786	ERJ3GEYJ183V	18K 1/16W	[M]
R787	ERJ3GEYJ333V	33K 1/16W	[M]
R788	ERJ3GEYJ223V	22K 1/16W	[M]
R789	ERJ3GEYJ223V	22K 1/16W	[M]
R790	ERJ3GEYJ104V	100K 1/16W	[M]
R791	ERJ3GEYJ104V	100K 1/16W	[M]
R792	ERJ3GEYJ103V	10K 1/16W	[M]
R793	ERJ3GEYJ103V	10K 1/16W	[M]
R795	ERJ3GEYJ223V	22K 1/16W	[M]
R796	ERJ3GEYJ183V	18K 1/16W	[M]
R798	ERJ3GEYJ102V	1K 1/16W	[M]
R799	ERJ3GEYJ472V	4.7K 1/16W	[M]
R801	ERJ3GEYJ102V	1K 1/16W	[M]
R802	ERJ3GEYJ102V	1K 1/16W	[M]
R803	ERJ3GEYJ102V	1K 1/16W	[M]
R804	ERJ3GEYJ102V	1K 1/16W	[M]
R805	ERJ3GEYJ102V	1K 1/16W	[M]
R806	ERJ3GEYJ102V	1K 1/16W	[M]
R807	ERJ3GEYJ102V	1K 1/16W	[M]
R810	ERJ3GEYJ470V	47 1/16W	[M]
R811	ERJ3GEYJ105V	1M 1/16W	[M]
R812	ERJ3GEYJ221V	220 1/16W	[M]
R813	ERJ3GEYJ271V	270 1/16W	[M]
R814	ERJ3GEYJ122V	1.2K 1/16W	[M]
R815	ERJ3GEYJ271V	270 1/16W	[M]
R816	ERJ3GEYJ122V	1.2K 1/16W	[M]
R817	ERJ3GEYJ271V	270 1/16W	[M]
R818	ERJ3GEYJ122V	1.2K 1/16W	[M]
R819	ERJ3GEYJ271V	270 1/16W	[M]
R820	ERJ3GEYJ122V	1.2K 1/16W	[M]
R826	ERJ3GEYJ472V	4.7K 1/16W	[M]
R827	ERJ3GEYJ104V	100K 1/16W	[M]
R828	ERJ3GEYJ331V	330 1/16W	[M]
R829	ERJ3GEYJ331V	330 1/16W	[M]
R830	ERJ3GEYJ331V	330 1/16W	[M]
R850	ERJ3GEYJ102V	1K 1/16W	[M]
R851	ERJ3GEYJ123V	12K 1/16W	[M]
R852	ERJ3GEYJ122V	1.2K 1/16W	[M]
R853	ERJ3GEYJ123V	12K 1/16W	[M]
R854	ERJ3GEYJ332V	3.3K 1/16W	[M]
R855	ERJ3GEYJ122V	1.2K 1/16W	[M]
R856	ERJ3GEYJ391V	390 1/16W	[M]
R857	ERJ3GEYJ222V	2.2K 1/16W	[M]
R858	ERJ3GEYJ222V	2.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R859	ERJ3GEYJ472V	4.7K 1/16W	[M]
R860	ERJ3GEYJ682V	6.8K 1/16W	[M]
R862	ERJ3GEYJ223V	22K 1/16W	[M]
R865	ERJ3GEYJ223V	22K 1/16W	[M]
R866	ERJ3GEYJ123V	12K 1/16W	[M]
R867	ERJ3GEYJ103V	10K 1/16W	[M]
R869	ERJ3GEYJ102V	1K 1/16W	[M]
R870	ERJ3GEYJ392V	3.9K 1/16W	[M]
R871	ERJ3GEYJ103V	10K 1/16W	[M]
R873	ERJ3GEYJ123V	12K 1/16W	[M]
R874	ERJ3GEYJ102V	1K 1/16W	[M]
R875	ERJ3GEYJ392V	3.9K 1/16W	[M]
R876	ERJ3GEYJ1R8V	1.8 1/16W	[M]
R877	ERJ3GEYJ102V	1K 1/16W	[M]
R878	ERJ3GEYJ104V	100K 1/16W	[M]
R879	ERJ3GEYJ104V	100K 1/16W	[M]
R880	ERJ3GEYJ104V	100K 1/16W	[M]
R881	ERJ3GEYJ104V	100K 1/16W	[M]
R886	ERJ3GEYJ104V	100K 1/16W	[M]
R887	ERJ3GEYJ223V	22K 1/16W	[M]
R888	ERJ3GEYJ223V	22K 1/16W	[M]
R889	ERJ3GEYJ102V	1K 1/16W	[M]
R901	ERJ3GEYJ101V	100 1/16W	[M]
R902	ERJ3GEYJ101V	100 1/16W	[M]
R903	ERJ3GEYJ101V	100 1/16W	[M]
R904	ERJ3GEYJ473V	47K 1/16W	[M]
R905	ERJ3GEYJ101V	100 1/16W	[M]
R906	ERJ3GEYJ101V	100 1/16W	[M]
R907	ERJ3GEYJ101V	100 1/16W	[M]
R908	ERJ3GEYJ101V	100 1/16W	[M]
R909	ERJ3GEYJ101V	100 1/16W	[M]
R910	ERJ3GEYJ103V	10K 1/16W	[M]
R911	ERJ3GEYJ102V	1K 1/16W	[M]
R912	ERJ3GEYJ101V	100 1/16W	[M]
R913	ERJ3GEYJ101V	100 1/16W	[M]
R914	ERJ3GEYJ101V	100 1/16W	[M]
R915	ERJ3GEYJ221V	220 1/16W	[M]
R916	ERJ3GEYJ221V	220 1/16W	[M]
R917	ERJ3GEYJ101V	100 1/16W	[M]
R918	ERJ3GEYJ221V	220 1/16W	[M]
R921	ERJ3GEYJ122V	1.2K 1/16W	[M]
R922	ERJ3GEYJ182V	1.8K 1/16W	[M]
R923	ERJ3GEYJ222V	2.2K 1/16W	[M]
R924	ERJ3GEYJ272V	2.7K 1/16W	[M]
R925	ERJ3GEYJ472V	4.7K 1/16W	[M]
R926	ERJ3GEYJ682V	6.8K 1/16W	[M]
R927	ERJ3GEYJ103V	10K 1/16W	[M]
R928	ERJ3GEYJ151V	150 1/16W	[M]
R929	ERJ3GEYJ151V	150 1/16W	[M]
R930	ERJ3GEYJ151V	150 1/16W	[M]
R930	ERJ3GEYJ152V	1.5K 1/16W	[M]
R931	ERJ3GEYJ151V	150 1/16W	[M]
R932	ERJ3GEYJ151V	150 1/16W	[M]
R933	ERJ3GEYJ151V	150 1/16W	[M]
R934	ERJ3GEYJ151V	150 1/16W	[M]
R935	ERJ3GEYJ151V	150 1/16W	[M]
R936	ERJ3GEYJ151V	150 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R937	ERJ3GEYJ151V	150 1/16W	[M]
R938	ERJ3GEYJ121V	120 1/16W	[M]
R942	ERJ3GEYJ331V	330 1/16W	[M]
R943	ERJ3GEYJ331V	330 1/16W	[M]
R944	ERJ3GEYJ331V	330 1/16W	[M]
R945	ERJ3GEYJ102V	1K 1/16W	[M]
R946	ERJ3GEYJ102V	1K 1/16W	[M]
R947	ERJ3GEYJ331V	330 1/16W	[M]
R952	ERJ3GEYJ151V	150 1/16W	[M]
R955	ERJ3GEYJ151V	150 1/16W	[M]
R956	ERJ3GEYJ151V	150 1/16W	[M]
R957	ERJ3GEYJ121V	120 1/16W	[M]
R958	ERJ3GEYJ101V	100 1/16W	[M]
R959	ERJ3GEYJ121V	120 1/16W	[M]
R960	ERJ3GEYJ472V	4.7K 1/16W	[M]
R961	ERJ3GEYJ682V	6.8K 1/16W	[M]
R962	ERJ3GEYJ103V	10K 1/16W	[M]
R963	ERJ3GEYJ223V	22K 1/16W	[M]
R964	ERJ3GEYJ271V	270 1/16W	[M]
R965	ERJ3GEYJ271V	270 1/16W	[M]
R971	ERJ3GEYJ182V	1.8K 1/16W	[M]
R972	ERDS2TJ821T	820 1/4W	[M]
R972	ERJ3GEYJ222V	2.2K 1/16W	[M]
R973	ERDS2TJ393T	39K 1/4W	[M]
R973	ERJ3GEYJ272V	2.7K 1/16W	[M]
R980	ERJ3GEYJ392V	3.9K 1/16W	[M]
R981	ERJ3GEYJ392V	3.9K 1/16W	[M]
R982	ERJ3GEYJ681V	680 1/16W	[M]
R983	ERJ3GEYJ681V	680 1/16W	[M]
R984	ERJ3GEYJ101V	100 1/16W	[M]
R985	ERJ3GEYJ472V	4.7K 1/16W	[M]
R986	ERJ3GEYJ392V	3.9K 1/16W	[M]
R987	ERJ3GEYJ682V	6.8K 1/16W	[M]
R989	ERJ3GEYJ123V	12K 1/16W	[M]
R990	ERJ3GEYJ153V	15K 1/16W	[M]
R991	ERJ3GEYJ103V	10K 1/16W	[M]
R992	ERJ3GEYJ471V	470 1/16W	[M]
R993	ERJ3GEYJ101V	100 1/16W	[M]
R994	ERJ3GEYJ101V	100 1/16W	[M]
R995	ERJ3GEYJ101V	100 1/16W	[M]
R996	ERJ3GEYJ101V	100 1/16W	[M]
R1101	ERJ3GEYJ270V	27 1/16W	[M]
R1103	ERJ3GEYJ183V	18K 1/16W	[M]
R1104	ERJ3GEYJ103V	10K 1/16W	[M]
R1105	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1106	ERJ3GEYJ104V	100K 1/16W	[M]
R1107	ERJ3GEYJ102V	1K 1/16W	[M]
R1109	ERJ3GEYJ102V	1K 1/16W	[M]
R1110	ERJ3GEYJ333V	33K 1/16W	[M]
R1201	ERJ3GEYJ270V	27 1/16W	[M]
R1203	ERJ3GEYJ183V	18K 1/16W	[M]
R1204	ERJ3GEYJ103V	10K 1/16W	[M]
R1205	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1206	ERJ3GEYJ104V	100K 1/16W	[M]
R1207	ERJ3GEYJ102V	1K 1/16W	[M]
R1209	ERJ3GEYJ102V	1K 1/16W	[M]
R1210	ERJ3GEYJ333V	33K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R1302	ERJ3GEYJ221V	220 1/16W	[M]
R1303	ERJ3GEYJ475V	4.7M 1/16W	[M]
R1304	ERJ3GEYJ223V	22K 1/16W	[M]
R1305	ERJ3GEYJ103V	10K 1/16W	[M]
R1306	ERJ3GEYJ103V	10K 1/16W	[M]
R1307	ERD25FVJ101T	100 1/4W	[M]
R1308	ERD25FVJ101T	100 1/4W	[M]
R1309	ERD25FVJ102T	1K 1/4W	[M]
R1310	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1313	ERJ3GEYJ103V	10K 1/16W	[M]
R1314	ERJ3GEYJ102V	1K 1/16W	[M]
R1315	ERJ3GEYJ473V	47K 1/16W	[M]
R1316	ERJ3GEYJ102V	1K 1/16W	[M]
R1317	ERJ3GEYJ473V	47K 1/16W	[M]
R1318	ERJ3GEYJ103V	10K 1/16W	[M]
R1319	ERJ3GEYJ123V	12K 1/16W	[M]
R1320	ERJ3GEYJ104V	100K 1/16W	[M]
R1321	ERJ3GEYJ470V	47 1/16W	[M]
R1322	ERJ3GEYJ823V	82K 1/16W	[M]
R1323	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1324	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1326	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1327	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1328	ERJ3GEYJ153V	15K 1/16W	[M]
R1329	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1330	ERD2FCVJ4R7T	4.7 1/4W	[M]
R1331	ERJ3GEYJ103V	10K 1/16W	[M]
R1332	ERJ3GEYJ103V	10K 1/16W	[M]
R1334	ERJ3GEYJ223V	22K 1/16W	[M]
R1335	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1336	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1337	ERJ3GEYJ103V	10K 1/16W	[M]
R1338	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1341	ERJ3GEYJ471V	470 1/16W	[M]
R1342	ERJ3GEYJ473V	47K 1/16W	[M]
R1343	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1344	ERJ3GEYJ273V	27K 1/16W	[M]
R1345	ERJ3GEYJ102V	1K 1/16W	[M]
R1371	ERJ3GEYJ223V	22K 1/16W	[M]
R1372	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1373	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1374	ERJ3GEYJ471V	470 1/16W	[M]
R1375	ERJ3GEYJ1R0V	0 1/16W	[M]
R1376	ERJ3GEYJ222V	2.2K 1/4W	[M]
R2001	ERJ3GEYJ102V	1K 1/16W	[M]
R2011	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2012	ERJ3GEYJ123V	12K 1/16W	[M]
R2013	ERJ3RBD123V	12K 3W	[M]
R2014	ERJ3GEYJ473V	47K 1/16W	[M]
R2028	ERJ3GEYJ103V	10K 1/16W	[M]
R2029	ERJ3GEYJ153V	15K 1/16W	[M]
R2030	ERJ3GEYJ153V	15K 1/16W	[M]
R2031	ERJ3GEYJ153V	15K 1/16W	[M]
R2032	ERJ3GEYJ153V	15K 1/16W	[M]
R2033	ERJ3GEYJ153V	15K 1/16W	[M]
R2034	ERJ3GEYJ183V	18K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R2035	ERJ3GEYJ183V	18K 1/16W	[M]
R2036	ERJ3GEYJ123V	12K 1/16W	[M]
R2037	ERJ3GEYJ562V	5.6K 1/16W	[M]
R2038	ERJ3GEYJ105V	1M 1/16W	[M]
R2039	ERJ3GEYF153V	15K 1/16W	[M]
R2040	ERJ3GEYJ473V	47K 1/16W	[M]
R2041	ERJ3GEYF123V	12K 1/16W	[M]
R2042	ERJ3GEYJ223V	22K 1/16W	[M]
R2043	ERJ3GEY0R00V	0 1/16W	[M]
R2044	ERJ3GEYJ563V	56K 1/16W	[M]
R2045	ERJ3GEY0R00V	0 1/16W	[M]
R2046	ERJ3GEYJ153V	15K 1/16W	[M]
R2502	ERJ3GEYJ153V	15K 1/16W	[M]
R2503	ERJ3GEYJ153V	15K 1/16W	[M]
R2504	ERJ3GEYJ823V	82K 1/16W	[M]
R2505	ERJ3GEYJ823V	82K 1/16W	[M]
R2507	ERJ6GEYJ6R8V	6.8 1/10W	[M]
R3001	ERJ3GEYJ220V	22 1/16W	[M]
R3002	ERJ3GEYJ472V	4.7K 1/16W	[M]
R3003	ERJ3GEYJ101V	100 1/16W	[M]
R3004	ERJ3GEYJ221V	220 1/16W	[M]
R3005	ERJ3GEYJ473V	47K 1/16W	[M]
R3007	ERJ3GEY0R00V	0 1/16W	[M]
R3071	ERJ3GEYJ103V	10K 1/16W	[M]
R3080	ERJ3RBD752V	7.5K 3W	[M]
R3082	ERJ3RBD202V	2K 3W	[M]
R3083	ERJ3RBD132V	1.3K 3W	[M]
R3084	ERJ3RBD752V	7.5K 3W	[M]
R3085	ERJ3RBD183V	18K 3W	[M]
R3086	ERJ3RBD432V	4.3K 3W	[M]
R3087	ERJ3RBD752V	7.5K 3W	[M]
R3088	ERJ3RBD752V	7.5K 3W	[M]
R3089	ERJ3RBD332V	3.3K 3W	[M]
R3090	ERJ3RBD222V	2.2K 3W	[M]
R3101	ERJ3RED750V	75 3W	[M]
R3105	ERJ3RED750V	75 3W	[M]
R3111	ERJ3RED750V	75 3W	[M]
R3115	ERJ3RED750V	75 3W	[M]
R3301	ERJ3GEYJ682V	6.8K 1/16W	[M]
R3302	ERJ3GEYJ332V	3.3K 1/16W	[M]
R3304	ERJ3RBD750V	75 3W	[M]
R3305	ERJ3RBD750V	75 3W	[M]
R3306	ERJ3RBD750V	75 3W	[M]
R3307	ERJ3GEYJ562V	5.6K 1/16W	[M]
R4201	ERJ3GEY0R00V	0 1/16W	[M]
R4211	ERJ3GEY0R00V	0 1/16W	[M]
R5203	ERJ3GEYJ563V	56K 1/16W	[M]
R5204	ERJ3GEYJ223V	22K 1/16W	[M]
R5211	ERJ3GEYJ2R2V	2.2 1/16W	[M]
R5212	ERJ12YJ270H	27 1/2W	[M]
R5213	ERJ3GEYJ473V	47K 1/16W	[M]
R5214	ERJ3GEYJ223V	22K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
R5215	ERJ3GEYJ2R2V	2.2 1/16W	[M]
R5216	ERJ12YJ270H	27 1/2W	[M]
R5217	ERJ3GEYJ473V	47K 1/16W	[M]
R5221	ERJ3GEYJ822V	8.2K 1/16W	[M]
R5222	ERJ3GEYJ822V	8.2K 1/16W	[M]
R5232	ERJ3RBD123V	12K 3W	[M]
R5235	ERJ3GEYJ105V	1M 1/16W	[M]
R5236	ERJ3GEY0R00V	0 1/16W	[M]
R5252	ERJ3GEYJ102V	1K 1/16W	[M]
R6201	ERJ3GEYJ103V	10K 1/16W	[M]
R6202	ERJ3GEYJ103V	10K 1/16W	[M]
R6204	ERJ3GEYJ103V	10K 1/16W	[M]
R6205	ERJ3GEYJ102V	1K 1/16W	[M]
R6301	ERJ3GEYJ103V	10K 1/16W	[M]
R6302	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6303	ERJ3GEYJ102V	1K 1/16W	[M]
R6512	ERJ3RBD331V	330 3W	[M]
R6513	ERJ3GEYJ103V	10K 1/16W	[M]
R6514	ERJ3GEYJ470V	47 1/16W	[M]
R6515	ERJ3GEYJ100V	10 1/16W	[M]
R7001	ERJ3GEYJ102V	1K 1/16W	[M]
R7002	ERJ3GEYJ473V	47K 1/16W	[M]
K2001	ERJ3GEY0R00V	0 1/16W	[M]
K3001	ERJ3GEY0R00V	0 1/16W	[M]
K3071	ERJ3GEY0R00V	0 1/16W	[M]
K3101	ERJ3GEY0R00V	0 1/16W	[M]
K3105	ERJ3GEY0R00V	0 1/16W	[M]
K3111	ERJ3GEY0R00V	0 1/16W	[M]
K3112	ERJ3GEY0R00V	0 1/16W	[M]
K3115	ERJ3GEY0R00V	0 1/16W	[M]
K3116	ERJ3GEY0R00V	0 1/16W	[M]
K3201	ERJ3GEY0R00V	0 1/16W	[M]
K3202	ERJ3GEY0R00V	0 1/16W	[M]
K4211	ERJ3GEY0R00V	0 1/16W	[M]
K6251	ERJ14Y0R00H	0 1/16W	[M]
K6301	ERJ3GEY0R00V	0 1/16W	[M]
RA2031	EXBV4V273JV	27K 1/16W	[M]
RA2032	EXBV4V472JV	4.7K 1/16W	[M]
RA2501	EXBV8V473JV	47K 1/16W	[M]
RA3008	EXBV4V103JV	10K 1/16W	[M]
RA3009	EXBV4V221JV	220 1/16W	[M]
RA3010	EXBV4V221JV	220 1/16W	[M]
RA3011	EXBV4V473JV	47K 1/16W	[M]
RA5231	EXBV8V101JV	100 1/16W	[M]
RA6201	EXBV4V103JV	10K 1/16W	[M]
RA6202	EXBV4V103JV	10K 1/16W	[M]
RA6203	EXBV4V103JV	10K 1/16W	[M]
RA6204	EXBV4V103JV	10K 1/16W	[M]
RA6205	EXBV8V473JV	47K 1/16W	[M]
RA6206	EXBV4V473JV	47K 1/16W	[M]
RA6207	EXBV4V472JV	4.7K 1/16W	[M]
RA7001	EXBV8V473JV	47K 1/16W	[M]
RA7002	EXBV8V473JV	47K 1/16W	[M]
RA7003	EXBV8V473JV	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	
		CAPACITORS	
C1	ECEA1CKA101B	100 16V	[M]
C2	ECBT1E103ZF5	0.01 25V	[M]
C202	ECUV1H223KBN	0.022 50V	[M]
C205	ECUV1H101KCN	100P 50V	[M]
C206	ECUV1H101KCN	100P 50V	[M]
C209	ECUV1H102KBN	1000P 50V	[M]
C210	ECUV1H102KBN	1000P 50V	[M]
C211	ECEA1HKA4R7B	4.7 50V	[M]
C212	ECEA1HKA4R7B	4.7 50V	[M]
C213	ECEA1HKA4R7B	4.7 50V	[M]
C214	ECEA1HKA4R7B	4.7 50V	[M]
C215	ECUV1H681KBN	680P 50V	[M]
C216	ECUV1H681KBN	680P 50V	[M]
C217	ECUV1H151JCV	150P 50V	[M]
C218	ECUV1H151JCV	150P 50V	[M]
C219	ECUV1H103KBN	0.01 50V	[M]
C220	ECUV1H103KBN	0.01 50V	[M]
C221	ECEA1HKA3R3B	3.3 50V	[M]
C224	ECUV1H102KBN	1000P 50V	[M]
C225	ECUV1H332KBV	3300P 50V	[M]
C226	ECUV1H332KBV	3300P 50V	[M]
C229	ECUVNE104KBN	0.1 25V	[M]
C230	ECUV1H102KBN	1000P 50V	[M]
C232	ECUV1H102KBN	1000P 50V	[M]
C233	ECUV1H470JCN	47P 50V	[M]
C234	ECUV1H470JCN	47P 50V	[M]
C235	ECUV1H470JCN	47P 50V	[M]
C236	ECUV1H103KBN	0.01 50V	[M]
C241	ECUZ1H101JCN	100P 50V	[M]
C261	ECEA1HKA4R7B	4.7 50V	[M]
C262	ECEA1HKA4R7B	4.7 50V	[M]
C263	ECUV1H101KCN	100P 50V	[M]
C264	ECUV1H101KCN	100P 50V	[M]
C265	ECUV1H101KCN	100P 50V	[M]
C266	ECUV1H101KCN	100P 50V	[M]
C267	ECUV1H102KBN	1000P 50V	[M]
C268	ECUV1H102KBN	1000P 50V	[M]
C269	ECEA1CKA100B	10 16V	[M]
C270	ECEA1CKA100B	10 16V	[M]
C271	ECUV1H103KBN	0.01 50V	[M]
C272	ECUV1H103KBN	0.01 50V	[M]
C273	ECEA1HKA3R3B	3.3 50V	[M]
C274	ECEA1HKA3R3B	3.3 50V	[M]
C275	ECEA1CKA220B	22 16V	[M]
C280	ECUV1C683KBV	0.068 16V	[M]
C281	ECUV1C683KBV	0.068 16V	[M]
C282	ECEA1HKA010B	1 50V	[M]
C283	ECEA1AKA470B	47 10V	[M]
C284	ECEA1AKA470B	47 10V	[M]
C285	ECUV1C683KBV	0.068 16V	[M]
C286	ECUVNA154KBV	0.15 10V	[M]
C287	ECUV1H472KBN	4700P 50V	[M]
C288	ECUV1C683KBV	0.068 16V	[M]
C289	ECUV1C683KBV	0.068 16V	[M]
C290	ECEA1AKA330B	33 10V	[M]

Ref. No.	Part No.	Part Name & Description	
C291	ECUV1H471KBN	470P 50V	[M]
C292	ECEA1HKA010B	1 50V	[M]
C293	ECUV1C683KBV	0.068 16V	[M]
C294	ECUV1C683KBV	0.068 16V	[M]
C301	ECUV1H101KCN	100P 50V	[M]
C302	ECUV1H101KCN	100P 50V	[M]
C303	ECUV1H330JCN	33P 50V	[M]
C304	ECUV1H330JCN	33P 50V	[M]
C305	ECEA1HKA010B	1 50V	[M]
C306	ECEA1HKA010B	1 50V	[M]
C307	ECEA1CKA100B	10 16V	[M]
C308	ECEA1CKA100B	10 16V	[M]
C309	ECUV1H101KCN	100P 50V	[M]
C310	ECUV1H101KCN	100P 50V	[M]
C311	ECUV1H102KBN	1000P 50V	[M]
C312	ECUV1H470JCN	47P 50V	[M]
C313	ECUV1H103KBN	0.01 50V	[M]
C314	ECUV1H103KBN	0.01 50V	[M]
C315	ECEA1CKA100B	10 16V	[M]
C316	ECEA1HKA010B	1 50V	[M]
C318	ECEA1CKA100B	10 16V	[M]
C319	ECEA1HKA010B	1 50V	[M]
C320	ECEA1HKA010B	1 50V	[M]
C321	ECEA1HKA010B	1 50V	[M]
C322	ECEA1HKA010B	1 50V	[M]
C332	ECEA1AKN100B	10 10V	[M]
C351	ECEA1CKA330B	33 16V	[M]
C352	ECUVNE104KBN	0.1 25V	[M]
C353	ECEA0JKA101B	100 6.3V	[M]
C354	ECEA0JKA221B	220 6.3V	[M]
C355	ECEA1HKA2R2B	2.2 50V	[M]
C371	ECEA1HKA4R7B	4.7 50V	[M]
C381	ECUV1H103KBN	0.01 50V	[M]
C382	ECUV1H103KBN	0.01 50V	[M]
C383	ECEA1CKA100B	10 16V	[M]
C384	ECEA1CKA100B	10 16V	[M]
C385	ECUV1H103KBN	0.01 50V	[M]
C386	ECUV1H103KBN	0.01 50V	[M]
C387	ECUV1H102KBN	1000P 50V	[M]
C401	ECUV1E223KBN	0.022 25V	[M]
C441	ECUZ1H101JCN	100P 50V	[M]
C451	ECUV1H103KBN	0.01 50V	[M]
C452	ECUV1H103KBN	0.01 50V	[M]
C453	ECUV1E223KBN	0.022 25V	[M]
C456	ECUV1H103KBN	0.01 50V	[M]
C457	ECEA0JKA470B	47 6.3V	[M]
C458	ECUVNE104KBN	0.1 25V	[M]
C461	ECUV1H103KBN	0.01 50V	[M]
C462	ECUV1H103KBN	0.01 50V	[M]
C463	ECEA0JKA470B	47 6.3V	[M]
C501	ECBT1H681KB5	680P 50V	[M]
C502	ECBT1H681KB5	680P 50V	[M]
C503	ECBT1H681KB5	680P 50V	[M]
C504	ECBT1H681KB5	680P 50V	[M]
C505	ECBT1H681KB5	680P 50V	[M]
C506	ECBT1H681KB5	680P 50V	[M]
C507	ECBT1H180JC5	18P 50V	[M]

Ref. No.	Part No.	Part Name & Description	
C508	ECBT1H180JC5	18P 50V	[M]
C509	ECBT1H220JC5	22P 50V	[M]
C510	ECBT1H220JC5	22P 50V	[M]
C511	ECBT1H220JC5	22P 50V	[M]
C512	ECBT1H220JC5	22P 50V	[M]
C513	ECBT1H473KB5	0.047 50V	[M]
C514	ECEA0JKA101B	100 6.3V	[M]
C515	ECKR2H103ZF5	0.01 500V	[M]
C516	ECKR2H103ZF5	0.01 500V	[M]
C517	ECBT1C103NS5	0.01 16V	[M]
C520	ECBT1H104KB5	0.1 50V	[M]
C521	ECBT1H473KB5	0.047 50V	[M]
C522	ECBT1H473KB5	0.047 50V	[M]
C523	ECBT1H473KB5	0.047 50V	[M]
C524	ECBT1H473KB5	0.047 50V	[M]
C525	ECBT1H473KB5	0.047 50V	[M]
C526	ECBT1H473KB5	0.047 50V	[M]
C527	ECA0JM221B	220 6.3V	[M]
C531	ECBT1H473KB5	0.047 50V	[M]
C532	ECBT1H473KB5	0.047 50V	[M]
C533	ECBT1H473KB5	0.047 50V	[M]
C534	ECBT1H473KB5	0.047 50V	[M]
C535	ECBT1H473KB5	0.047 50V	[M]
C536	ECBT1H473KB5	0.047 50V	[M]
C537	ECBT1H102KB5	1000P 50V	[M]
C538	ECBT1H102KB5	1000P 50V	[M]
C539	ECBT1H102KB5	1000P 50V	[M]
C540	ECBT1H102KB5	1000P 50V	[M]
C565	ECBT1C103NS5	0.01 16V	[M]
C566	RCE1VFW332BJ	3300P 35V	[M]
C567	RCE1VFW562BJ	5600P 35V	[M]
C568	RCE1VFW562BJ	5600P 35V	[M]
C569	RCE1VFW332BJ	3300P 35V	[M]
C570	ECQE1104KF3	0.1 100V	[M]
C571	ECQE1104KF3	0.1 100V	[M]
C572	ECBT1H102KB5	1000P 50V	[M]
C574	ECEA1HM470B	47 50V	[M]
C575	ECBT1H103KB5	0.01 50V	[M]
C576	ECA1EM101B	100 25V	[M]
C577	ECBT1H103KB5	0.01 50V	[M]
C578	ECEA1AKA330B	33 10V	[M]
C579	ECEA1CKA470B	47 16V	[M]
C580	ECBT1H102KB5	1000P 50V	[M]
C581	ECEA1HKAR47B	0.47 50V	[M]
C582	ECA1EM331B	330 25V	[M]
C583	ECA1EM331B	330 25V	[M]
C584	ECEA1HM101B	100 50V	[M]
C585	ECEA1HM101B	100 50V	[M]
C586	ECEA1JM101B	100 63V	[M]
C587	ECEA1JM101B	100 63V	[M]
C588	ECKR2H102ZF5	1000P 500V	[M]
C589	ECA1HM100B	10 50V	[M]
C591	ECA1EM222B	2200 25V	[M]
C592	ECBT1H103KB5	0.01 50V	[M]
C593	RCEA1C102B-S	1000P 16V	[M]

Ref. No.	Part No.	Part Name & Description	
C594	RCEA1C102B-S	1000P 16V	[M]
C595	ECEA1VKA4R7B	4.7 35V	[M]
C596	ECBT1H103KB5	0.01 50V	[M]
C597	ECEA1AKA220B	22 10V	[M]
C597	ECEA1AKA470B	47 10V	[M]
C598	ECBT1H102KB5	1000P 50V	[M]
C599	ECQE1104KF3	0.1 100V	[M]
C601	ECUV1H101KCV	100P 50V	[M]
C602	ECUV1H101KCV	100P 50V	[M]
C603	ECUVNC104KBV	0.1 16V	[M]
C604	ECUV1H561KBV	560P 50V	[M]
C605	ECUV1H561KBV	560P 50V	[M]
C606	ECUV1H561KBV	560P 50V	[M]
C607	ECUV1H561KBV	560P 50V	[M]
C610	ECUV1H561KBV	560P 50V	[M]
C612	ECUV1H103ZFV	0.01 50V	[M]
C613	ECUV1H103ZFV	0.01 50V	[M]
C614	ECEA1HKA2R2B	2.2 50V	[M]
C615	ECUV1H150KCV	15P 50V	[M]
C616	ECUV1H180JCV	18P 50V	[M]
C621	ECUV1H102KBV	1000P 50V	[M]
C622	ECUV1H331KBV	330P 50V	[M]
C623	ECEA0JKA101B	100 6.3V	[M]
C624	ECUV1H102KBV	1000P 50V	[M]
C625	ECUV1H102KBV	1000P 50V	[M]
C626	ECEA0JM102B	1000 6.3V	[M]
C627	ECUV1E103KBV	0.01 25V	[M]
C629	ECEA1AKA220B	22 10V	[M]
C630	ECUVNC104KBV	0.1 16V	[M]
C631	ECUVNC104KBV	0.1 16V	[M]
C632	RCE1HKAR10BG	0.10P 50V	[M]
C633	ECEA1CKA100B	10 16V	[M]
C634	ECUV1E103KBV	0.01 25V	[M]
C635	ECUV1E103KBV	0.01 25V	[M]
C636	ECEA1HKA3R3B	3.3 50V	[M]
C637	ECEA1HKA3R3B	3.3 50V	[M]
C638	ECUV1H103ZFV	0.01 50V	[M]
C639	ECEA1HKA3R3B	3.3 50V	[M]
C640	ECUVNE223KBV	0.022 25V	[M]
C641	ECUVNE223KBV	0.022 25V	[M]
C651	ECUV1H101KCV	100P 50V	[M]
C652	ECUV1H101KCV	100P 50V	[M]
C653	ECUVNE104KBN	0.1 25V	[M]
C655	ECUV1H103ZFV	0.01 50V	[M]
C656	ECUV1H272KBV	2700P 50V	[M]
C657	ECUV1H272KBV	2700P 50V	[M]
C658	ECEA1HKA010B	1 50V	[M]
C659	ECEA1HKA010B	1 50V	[M]
C660	ECEA1HKA4R7B	4.7 50V	[M]
C661	ECEA1EKA4R7B	4.7 25V	[M]
C662	ECEA1HKA4R7B	4.7 50V	[M]
C663	ECEA1EKA4R7B	4.7 25V	[M]
C664	ECEA1EKA4R7B	4.7 25V	[M]
C665	RCE1HKA010BG	1P 50V	[M]
C666	ECEA1HKA010B	1 50V	[M]
C667	ECUV1H472KBV	4700P 50V	[M]
C668	ECUV1H820JCV	82P 50V	[M]

Ref. No.	Part No.	Part Name & Description	
C669	ECUV1H103ZFV	0.01 50V	[M]
C670	ECEA1HKA010B	1 50V	[M]
C671	ECUV1H102KBV	1000P 50V	[M]
C673	ECUV1H103ZFV	0.01 50V	[M]
C674	ECUVNE104KBN	0.1 25V	[M]
C675	ECUV1H122KBV	1200P 50V	[M]
C676	ECUV1H333KBN	0.033 50V	[M]
C677	ECUV1H333KBN	0.033 50V	[M]
C701	ECEA1CKA100B	10 16V	[M]
C703	ECEA1CKA220B	22 16V	[M]
C704	ECUV1H471KBN	470P 50V	[M]
C707	ECUV1H470JCN	47P 50V	[M]
C708	ECUVNE104KBN	0.1 25V	[M]
C709	ECUVNE104KBN	0.1 25V	[M]
C710	ECEA1CKA100B	10 16V	[M]
C711	ECEA1CKA220B	22 16V	[M]
C713	ECUV1H222KBN	2200P 50V	[M]
C715	ECEA1CKA220B	22 16V	[M]
C716	ECUV1H222KBN	2200P 50V	[M]
C718	ECUV1H103KBN	0.01 50V	[M]
C719	ECUV1H103KBN	0.01 50V	[M]
C720	ECEA1CKA100B	10 16V	[M]
C722	ECEA1CKA100B	10 16V	[M]
C723	ECEA1CKA220B	22 16V	[M]
C724	ECUV1H222KBN	2200P 50V	[M]
C726	ECUV1H471KBN	470P 50V	[M]
C727	ECUV1H470JCN	47P 50V	[M]
C728	ECUV1H470JCN	47P 50V	[M]
C729	ECEA1CKA220B	22 16V	[M]
C730	ECEA1CKA100B	10 16V	[M]
C731	ECUV1H222KBN	2200P 50V	[M]
C735	ECEA1CKA220B	22 16V	[M]
C736	ECEA1CKA100B	10 16V	[M]
C739	ECUVNA105KBN	10 10V	[M]
C740	ECA1EM101B	100 25V	[M]
C741	ECEA1CKA100B	10 16V	[M]
C742	ECEA1CKA100B	10 16V	[M]
C743	ECEA1CKA100B	10 16V	[M]
C744	ECEA1CKA100B	10 16V	[M]
C748	ECUV1H103KBN	0.01 50V	[M]
C749	ECEA1CKA220B	22 16V	[M]
C750	ECEA1CKA220B	22 16V	[M]
C757	ECUV1H222KBN	2200P 50V	[M]
C758	ECUV1H222KBN	2200P 50V	[M]
C759	ECUV1H221KBN	220P 50V	[M]
C760	ECUV1H221KBN	220P 50V	[M]
C761	ECUV1H102KBN	1000P 50V	[M]
C762	ECEA1CKA100B	10 16V	[M]
C763	ECUV1H102KBN	1000P 50V	[M]
C764	ECUV1H103KBN	0.01 50V	[M]
C765	ECEA1AKA101B	100 10V	[M]
C766	ECUV1H102KBN	1000P 50V	[M]
C767	ECEA1CKA100B	10 16V	[M]
C768	ECA1AM222B	2200 10V	[M]
C769	ECUV1H221KBN	220P 50V	[M]
C774	EEUFC0J821B	820 6.3V	[M]
C775	ECEA1AKA101B	100 10V	[M]

Ref. No.	Part No.	Part Name & Description	
C779	ECA0JM102B	1000P 6.3V	[M]
C780	ECA0JM102B	1000P 6.3V	[M]
C781	ECEA1HKA3R3B	3.3 50V	[M]
C782	ECEA1EM472E	4700 25V	[M]
C783	ECQE1104KF3	0.1 100V	[M]
C784	ECUVNE104KBN	0.1 25V	[M]
C785	ECUV1H471KBN	470P 50V	[M]
C786	ECUV1H471KBN	470P 50V	[M]
C788	EEUFC0J821B	820 6.3V	[M]
C789	ECUV1H470JCN	47P 50V	[M]
C790	ECUV1H470JCN	47P 50V	[M]
C791	ECUVNE104KBN	0.1 25V	[M]
C792	ECUVNE104KBN	0.1 25V	[M]
C793	ECUV1H471KBN	470P 50V	[M]
C794	ECUV1H471KBN	470P 50V	[M]
C795	ECUV1H470JCN	47P 50V	[M]
C796	ECUV1H470JCN	47P 50V	[M]
C801	ECEA1HKA010B	1 50V	[M]
C802	ECEA1HKA010B	1 50V	[M]
C803	ECEA1HKA010B	1 50V	[M]
C804	ECEA1HKA010B	1 50V	[M]
C805	ECEA1HKA010B	1 50V	[M]
C806	ECEA1HKA010B	1 50V	[M]
C807	ECEA1HKA010B	1 50V	[M]
C808	ECEA1HKA010B	1 50V	[M]
C809	ECUVNA105KBN	10 10V	[M]
C810	ECUV1H103KBN	0.01 50V	[M]
C811	ECUV1H050DCN	5P 50V	[M]
C812	ECUV1H120JCN	12P 50V	[M]
C813	ECEA1HKA010B	1 50V	[M]
C814	ECUV1H103KBN	0.01 50V	[M]
C815	EEAFC0J101B	100P 6.3V	[M]
C816	ECUV1H222KBN	2200P 50V	[M]
C817	ECUV1H103KBN	0.01 50V	[M]
C818	ECEA1HKA010B	1 50V	[M]
C819	ECUV1H103KBN	0.01 50V	[M]
C820	ECUV1H222KBN	2200P 50V	[M]
C821	ECUV1H103KBN	0.01 50V	[M]
C822	ECEA0JKA470B	47 6.3V	[M]
C823	EEAFC0J101B	100P 6.3V	[M]
C824	ECEA0JKA470B	47 6.3V	[M]
C825	ECEA0JKA101B	100 6.3V	[M]
C826	ECUV1H103KBN	0.01 50V	[M]
C827	ECEA1HKA010B	1 50V	[M]
C828	ECUV1H222KBN	2200P 50V	[M]
C829	ECEA1HKA010B	1 50V	[M]
C830	ECUV1H222KBN	2200P 50V	[M]
C831	ECEA1HKA010B	1 50V	[M]
C832	ECEA1HKA010B	1 50V	[M]
C833	ECUVNA105KBN	10 10V	[M]
C835	ECUV1H103KBN	0.01 50V	[M]
C836	ECUV1E223KBN	0.022 25V	[M]
C837	ECUVNA105KBN	10 10V	[M]
C838	ECUVNA105KBN	10 10V	[M]
C839	ECUVNA105KBN	10 10V	[M]
C840	ECEA1AKA221Q	220 10V	[M]
C841	ECUV1E223KBN	0.022 25V	[M]

Ref. No.	Part No.	Part Name & Description	
C842	ECUV1H103KBN	0.01 50V	[M]
C843	ECEA1HKA4R7B	4.7 50V	[M]
C844	ECEA1HKA4R7B	4.7 50V	[M]
C845	ECEA0JKA101B	100 6.3V	[M]
C846	ECEA1HKA2R2B	2.2 50V	[M]
C847	ECEA1HKA2R2B	2.2 50V	[M]
C848	ECUV1H331KBN	330P 50V	[M]
C850	ECEA1HKA010B	1 50V	[M]
C851	ECEA1CKA100B	10 16V	[M]
C852	ECEA1CKA100B	10 16V	[M]
C853	ECUV1H221KBV	220P 50V	[M]
C854	ECEA1CKA100B	10 16V	[M]
C855	ECEA1HKA010B	1 50V	[M]
C856	ECEA1CKA100B	10 16V	[M]
C857	ECEA1CKA100B	10 16V	[M]
C858	ECUV1H221KBV	220P 50V	[M]
C859	ECEA1HKA2R2B	2.2 50V	[M]
C860	ECUV1H470JCN	47P 50V	[M]
C861	ECUV1H470JCN	47P 50V	[M]
C862	ECUVNE104KBN	0.1 25V	[M]
C863	ECUV1H103ZFV	0.01 50V	[M]
C864	ECUV1H101KCV	100P 50V	[M]
C865	ECEA1HKA3R3B	3.3 50V	[M]
C867	ECEA1AKA330B	33 10V	[M]
C868	ECEA1HKAR15B	0.15 50V	[M]
C869	ECEA1CKA100B	10 16V	[M]
C870	RCE1HKA010BG	1P 50V	[M]
C871	ECEA1HKA3R3B	3.3 50V	[M]
C872	ECUV1H101KCV	100P 50V	[M]
C874	ECEA1AKA330B	33 10V	[M]
C875	ECEA1HKAR15B	0.15 50V	[M]
C876	ECEA1CKA100B	10 16V	[M]
C877	ECUVNE104KBN	0.1 25V	[M]
C878	ECEA1HKA010B	1 50V	[M]
C884	ECUVNE104KBN	0.1 25V	[M]
C885	ECUVNE104KBN	0.1 25V	[M]
C886	ECUV1H470JCN	47P 50V	[M]
C887	ECEA1CKA100B	10 16V	[M]
C889	ECUV1H223KBN	0.022 50V	[M]
C890	ECUV1H223KBN	0.022 50V	[M]
C945	ECEA1HKA010B	1 50V	[M]
C1101	ECA1HAK010XB	1 50V	[M]
C1102	ECUV1H102KBV	1000P 50V	[M]
C1103	ECA1CAK101XB	100 16V	[M]
C1104	ECUVNC333KBV	0.033 16V	[M]
C1105	ECUV1H681KBV	680P 50V	[M]
C1106	ECA1HAK3R3XB	3.3 50V	[M]
C1107	ECUV1H152KBV	1500P 50V	[M]
C1108	ECA1CAK100XB	10 16V	[M]
C1109	ECA1HAK3R3XB	3.3 50V	[M]
C1201	ECA1HAK010XB	1 50V	[M]
C1202	ECUV1H102KBV	1000P 50V	[M]
C1203	ECA1CAK101XB	100 16V	[M]
C1204	ECUVNC333KBV	0.033 16V	[M]
C1205	ECUV1H681KBV	680P 50V	[M]
C1206	ECA1HAK3R3XB	3.3 50V	[M]
C1207	ECUV1H152KBV	1500P 50V	[M]

Ref. No.	Part No.	Part Name & Description	
C1208	ECA1HAK3R3XB	3.3 50V	[M]
C1209	ECA1HAK3R3XB	3.3 50V	[M]
C1301	ECEA1HKA0R1B	0.1 50V	[M]
C1302	ECUVNC333KBV	0.033 16V	[M]
C1303	ECUVNC333KBV	0.033 16V	[M]
C1304	ECEA1HKA4R7B	4.7 50V	[M]
C1305	ECA1CAK330XB	33 16V	[M]
C1306	ECA1CAK100XB	10 16V	[M]
C1307	ECA1AAK221XQ	220 10V	[M]
C1308	ECA1CAK220XB	22 16V	[M]
C1310	ECA1HAK0R1XB	0.1 50V	[M]
C1311	ECA1CAK470XB	47 16V	[M]
C1312	ECUV1H332KBV	3300P 50V	[M]
C1314	ECUV1H222KBV	2200P 50V	[M]
C1315	ECUV1H222KBV	2200P 50V	[M]
C1316	ECUV1H102KBV	1000P 50V	[M]
C1317	ECUV1H102KBV	1000P 50V	[M]
C1318	ECQV1H473JL3	0.047 50V	[M]
C1319	ECA1CAK101XB	100 16V	[M]
C1320	ECA1HAK010XB	1 50V	[M]
C1321	ECQP2A472JZT	4700P 100V	[M]
C1322	ECQP2A102JZT	1000P 100V	[M]
C1323	ECEA1HKN010B	1 50V	[M]
C1324	ECA1CAK470XB	47 16V	[M]
C1325	ECUV1E103KBV	0.01 25V	[M]
C1326	ECA1CAK100XB	10 16V	[M]
C1371	ECUV1H103KBV	0.01 50V	[M]
C1372	ECUV1E223KBN	0.022 25V	[M]
C1373	ECUV1E223KBN	0.022 25V	[M]
C2001	EEVHB0G101R	100P 4V	[M]
C2002	EEVHB0G101R	100P 4V	[M]
C2003	EEVHB0G101R	100P 4V	[M]
C2004	ECUVNC104ZFV	0.1 16V	[M]
C2005	ECUVNC104ZFV	0.1 16V	[M]
C2006	ECUVNC104ZFV	0.1 16V	[M]
C2007	ECUVNC104ZFV	0.1 16V	[M]
C2008	ECUVNC104ZFV	0.1 16V	[M]
C2009	ECUVNC104ZFV	0.1 16V	[M]
C2010	ECUV1H221KBV	220P 50V	[M]
C2011	ECUVNC104KBV	0.1 16V	[M]
C2012	ECUV1C473KBV	0.047 16V	[M]
C2013	ECUVNC104KBV	0.1 16V	[M]
C2014	ECUVNC104ZFV	0.1 16V	[M]
C2015	ECUVNC104ZFV	0.1 16V	[M]
C2021	ECUVNC104ZFV	0.1 16V	[M]
C2022	ECUVNC104ZFV	0.1 16V	[M]
C2023	ECUVNC104ZFV	0.1 16V	[M]
C2024	ECUVNC104ZFV	0.1 16V	[M]
C2032	ECUV1H102JCV	1000P 50V	[M]
C2033	ECUV1H102JCV	1000P 50V	[M]
C2034	ECUV1H102JCV	1000P 50V	[M]
C2035	ECUV1H331JCV	330P 50V	[M]
C2036	ECUV1H331JCV	330P 50V	[M]
C2037	ECUV1H681JCV	680P 50V	[M]
C2038	ECUV1H561JCV	560P 50V	[M]
C2039	ECUVNC104KBV	0.1 16V	[M]
C2040	ECUVNC104KBV	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	
C2041	ECUV1H682KBV	6800P 50V	[M]
C2042	ECUV1H272KBV	2700P 50V	[M]
C2043	ECUVNC104ZFV	0.1 16V	[M]
C2044	ECUVNC104ZFV	0.1 16V	[M]
C2045	ECUV1H470JCV	47P 50V	[M]
C2046	ECUV1C183KBV	0.018 16V	[M]
C2047	ECUV1C103KBV	0.01 16V	[M]
C2048	ECUV1H103KBV	0.01 50V	[M]
C2049	ECUV1C474KBN	0.47 16V	[M]
C2050	ECUVNC393KBV	0.039 16V	[M]
C2051	ECUV1H822KBV	8200P 50V	[M]
C2061	ECUVNC104KBV	0.1 16V	[M]
C2501	EEVFC0J221P	220P 6.3V	[M]
C2502	ECEV1CA101WP	100 16V	[M]
C2503	ECEV1CA220WR	22 16V	[M]
C2504	ECUVNC104ZFV	0.1 16V	[M]
C2505	ECUVNC104ZFV	0.1 16V	[M]
C2506	ECUVNC104ZFV	0.1 16V	[M]
C2507	ECUVNC104ZFV	0.1 16V	[M]
C2508	ECUVNC104ZFV	0.1 16V	[M]
C2509	EEVFC1C100R	10P 16V	[M]
C2511	ECUVNC104ZFV	0.1 16V	[M]
C2512	ECUVNC104ZFV	0.1 16V	[M]
C2513	ECUVNC104ZFV	0.1 16V	[M]
C3001	ECEV0JA331P	330 6.3V	[M]
C3002	ECEV0JA331P	330 6.3V	[M]
C3003	ECEV0JA331P	330 6.3V	[M]
C3004	ECUVNA105ZFV	10 10V	[M]
C3005	ECUVNC104ZFV	0.1 16V	[M]
C3006	ECUVNC104ZFV	0.1 16V	[M]
C3007	ECUVNA105ZFV	10 10V	[M]
C3008	ECUVNA105ZFV	10 10V	[M]
C3009	ECUVNC104ZFV	0.1 16V	[M]
C3010	ECUVNC104ZFV	0.1 16V	[M]
C3011	ECUVNC104ZFV	0.1 16V	[M]
C3012	ECUVNA105ZFV	10 10V	[M]
C3013	ECUVNA105ZFV	10 10V	[M]
C3014	ECUVNC104ZFV	0.1 16V	[M]
C3015	ECUVNC104ZFV	0.1 16V	[M]
C3016	ECUVNA105ZFV	10 10V	[M]
C3017	ECUVNC104ZFV	0.1 16V	[M]
C3018	ECUVNC104ZFV	0.1 16V	[M]
C3019	ECUVNA105ZFV	10 10V	[M]
C3020	ECUVNA105ZFV	10 10V	[M]
C3021	ECUVNC104ZFV	0.1 16V	[M]
C3022	ECUVNC104ZFV	0.1 16V	[M]
C3023	ECUVNC104ZFV	0.1 16V	[M]
C3024	ECUVNA105ZFV	10 10V	[M]
C3025	ECUVNC104ZFV	0.1 16V	[M]
C3026	ECUVNA105ZFV	10 10V	[M]
C3027	ECUVNC104ZFV	0.1 16V	[M]
C3028	ECUVNC104ZFV	0.1 16V	[M]
C3029	ECUVNC104ZFV	0.1 16V	[M]
C3030	ECUVNA105ZFV	10 10V	[M]
C3031	ECUVNC104ZFV	0.1 16V	[M]
C3032	ECUVNC104ZFV	0.1 16V	[M]
C3033	ECUVNC104ZFV	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	
C3034	ECUVNC104ZFV	0.1 16V	[M]
C3035	ECUVNC104ZFV	0.1 16V	[M]
C3036	ECUV1H220JCV	22P 50V	[M]
C3041	ECUVNC104ZFV	0.1 16V	[M]
C3042	ECUVNC104ZFV	0.1 16V	[M]
C3051	ECUVNC104ZFV	0.1 16V	[M]
C3052	RCST1AY106RE	10 10V	[M]
C3060	ECUVNC104KBV	0.1 16V	[M]
C3061	ECUVNC104ZFV	0.1 16V	[M]
C3062	ECUVNC104ZFV	0.1 16V	[M]
C3063	ECUVNC104ZFV	0.1 16V	[M]
C3064	ECUVNC104ZFV	0.1 16V	[M]
C3065	ECUVNA105ZFV	10 10V	[M]
C3066	ECUVNC104ZFV	0.1 16V	[M]
C3071	ECUVNC104ZFV	0.1 16V	[M]
C3072	ECUVNC104ZFV	0.1 16V	[M]
C3073	ECUVNC104ZFV	0.1 16V	[M]
C3074	ECUVNC104ZFV	0.1 16V	[M]
C3075	ECUVNA105ZFV	10 10V	[M]
C3076	ECUVNC104ZFV	0.1 16V	[M]
C3080	ECEV0JA331P	330 6.3V	[M]
C3081	ECUVNC104ZFV	0.1 16V	[M]
C3082	ECUVNC104ZFV	0.1 16V	[M]
C3083	ECUVNA105KBN	10 10V	[M]
C3084	ECUVNA105KBN	10 10V	[M]
C3085	ECUVNA105KBN	10 10V	[M]
C3086	ECUVNA105KBN	10 10V	[M]
C3087	ECUVNC104ZFV	0.1 16V	[M]
C3088	ECUVNC104ZFV	0.1 16V	[M]
C3089	ECUVNC104ZFV	0.1 16V	[M]
C3091	ECUVNC104ZFV	0.1 16V	[M]
C3092	ECUVNC104ZFV	0.1 16V	[M]
C3093	RCST1AY106RE	10 10V	[M]
C3209	ECUVNC104ZFV	0.1 16V	[M]
C3210	ECUVNC104ZFV	0.1 16V	[M]
C3301	EEVHB0G101R	100P 4V	[M]
C3301	EEVHB0J101P	100P 4V	[M]
C3302	ECUVNC104ZFV	0.1 16V	[M]
C3305	ECUV1C103KBV	0.01 16V	[M]
C3307	ECUV1C103KBV	0.01 16V	[M]
C3308	ECUV1H150JCV	15P 50V	[M]
C4201	ECEV0JA331P	330 6.3V	[M]
C4208	ECUVNC104ZFV	0.1 16V	[M]
C4209	ECUVNC104ZFV	0.1 16V	[M]
C4210	ECUVNC104ZFV	0.1 16V	[M]
C4213	RCST1AY106RE	10 10V	[M]
C4215	ECUVNC104ZFV	0.1 16V	[M]
C4216	EEVHB0J101P	100P 6.3V	[M]
C4217	ECUVNC104KBV	0.1 16V	[M]
C4218	ECUVNC104KBV	0.1 16V	[M]
C4222	ECEV0JA331P	330 6.3V	[M]
C5201	EEVHB1C100R	10P 16V	[M]
C5202	EEVHB1C100R	10P 16V	[M]
C5203	ECUVNC104ZFV	0.1 16V	[M]
C5204	ECUVNC104ZFV	0.1 16V	[M]
C5205	ECUV1H102JCV	1000P 50V	[M]
C5206	ECUV1H102JCV	1000P 50V	[M]

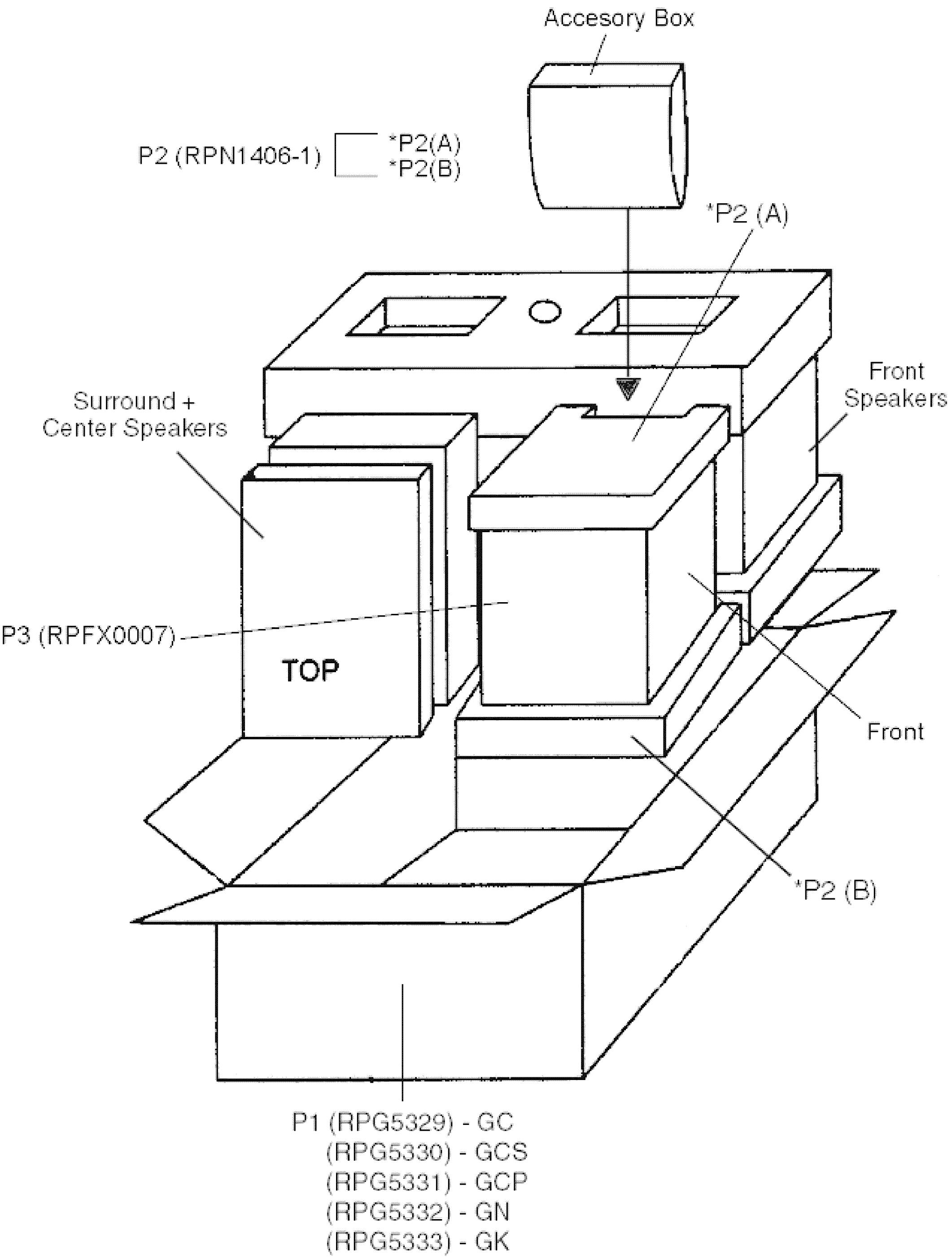
Ref. No.	Part No.	Part Name & Description	
C5207	ECUV1H102JCV	1000P 50V	[M]
C5208	ECUV1H102JCV	1000P 50V	[M]
C5211	EEVHB0J470R	47 6.3V	[M]
C5215	EEVHB0J470R	47 6.3V	[M]
C5221	ECUVNC104ZFV	0.1 16V	[M]
C5223	ECUVNC104ZFV	0.1 16V	[M]
C5224	ECUVNC104KBV	0.1 16V	[M]
C5225	ECUVNC104KBV	0.1 16V	[M]
C5231	ECUV1H101JCV	100P 50V	[M]
C5232	ECUVNC104ZFV	0.1 16V	[M]
C5233	ECUVNC104ZFV	0.1 16V	[M]
C5234	ECUV1H222KBV	2200P 50V	[M]
C5235	ECUV1H391JCV	390P 50V	[M]
C5236	ECUV1H102JCV	1000P 50V	[M]
C5237	ECUVNC104KBV	0.1 16V	[M]
C5238	ECUV1A224KBV	0.22 10V	[M]
C5239	ECUVNC104KBV	0.1 16V	[M]
C5240	ECUV1H561JCV	560P 50V	[M]
C5242	ECUV1H472KBV	4700P 50V	[M]
C5251	ECUVNC104ZFV	0.1 16V	[M]
C5252	VCS1AS106R	10 10V	[M]
C5253	ERJ3GEYJ472V	4700P 1/16W	[M]
C6201	EEVHB0J330R	33 6.3V	[M]
C6202	ECUVNC104ZFV	0.1 16V	[M]
C6203	ECUVNC104ZFV	0.1 16V	[M]
C6204	ECUVNC104ZFV	0.1 16V	[M]
C6205	ECUVNC104ZFV	0.1 16V	[M]
C6206	ECUVNC104ZFV	0.1 16V	[M]
C6211	ECUVNC104ZFV	0.1 16V	[M]
C6221	ECUVNC104ZFV	0.1 16V	[M]
C6222	ECUVNC104ZFV	0.1 16V	[M]
C6251	ECUVNA105ZFV	10 10V	[M]
C6252	ECUV1H471JCV	470P 50V	[M]
C6253	RCST1AY106RE	10 10V	[M]
C6257	EEVHB0J101P	100P 6.3V	[M]
C6301	ECUVNC104KBV	0.1 16V	[M]
C6302	ECUVNC104KBV	0.1 16V	[M]
C6303	ECUVNC104ZFV	0.1 16V	[M]
C6304	ECUVNC104ZFV	0.1 16V	[M]
C6305	ECUVNC104ZFV	0.1 16V	[M]
C6501	EEVHB0J330R	33 6.3V	[M]
C6502	EEVHB1C100R	10P 16V	[M]
C6503	ECUVNC104ZFV	0.1 16V	[M]
C6504	ECUVNC104ZFV	0.1 16V	[M]
C6505	ECUVNC104ZFV	0.1 16V	[M]
C6511	ECUV1H150JCV	15P 50V	[M]
C6512	ECUV1H150JCV	15P 50V	[M]
C6553	ECUVNC104ZFV	0.1 16V	[M]
C7001	EEVHB0G101R	100P 4V	[M]
C7002	EEVHB0G101R	100P 4V	[M]
C7011	ECUVNC104ZFV	0.1 16V	[M]
C7012	ECUVNC104ZFV	0.1 16V	[M]
C7013	ECUVNC104ZFV	0.1 16V	[M]
C7014	ECUVNC104ZFV	0.1 16V	[M]
C7015	ECUVNC104ZFV	0.1 16V	[M]
C7016	ECUVNC104ZFV	0.1 16V	[M]
C7017	ECUVNC104ZFV	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	
C7018	ECUVNC104ZFV	0.1 16V	[M]
C7019	ECUVNC104ZFV	0.1 16V	[M]
C7020	ECUVNC104ZFV	0.1 16V	[M]
C7021	ECUVNC104ZFV	0.1 16V	[M]
C7022	ECUVNC104ZFV	0.1 16V	[M]
C7023	ECUVNC104ZFV	0.1 16V	[M]
C7024	ECUVNC104ZFV	0.1 16V	[M]
C7025	ECUVNC104ZFV	0.1 16V	[M]
C7026	ECUVNC104ZFV	0.1 16V	[M]
C7027	ECUVNC104ZFV	0.1 16V	[M]

16.5. Packing Materials & Accessories Parts List

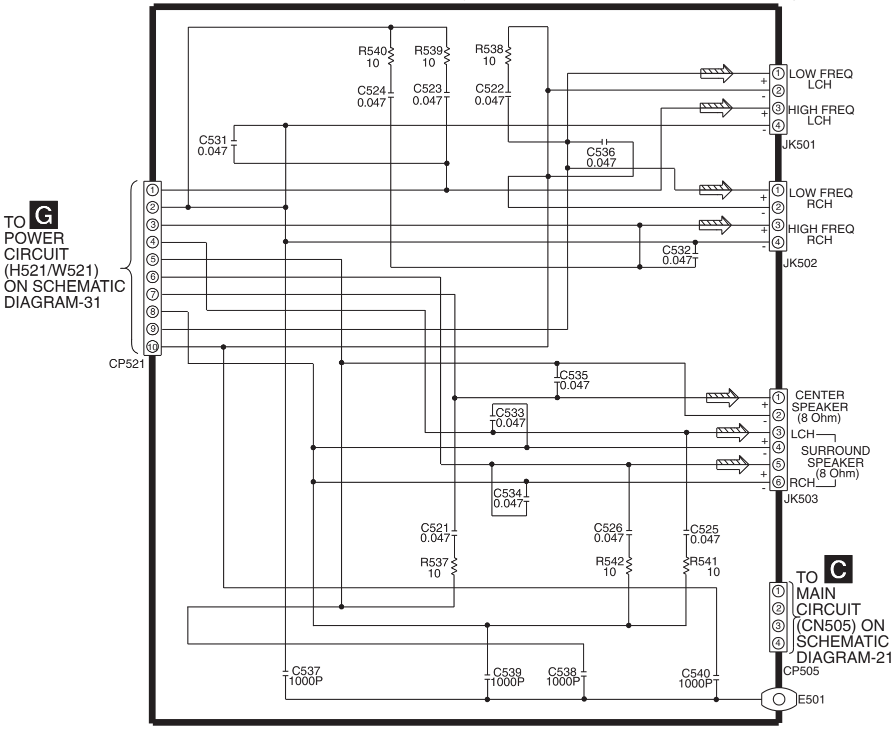
Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG5329	PACKING CASE	[M]GC
P1	RPG5330	PACKING CASE	[M]GCS
P1	RPG5331	PACKING CASE	[M]GCP
P1	RPG5332	PACKING CASE	[M]GN
P1	RPG5333	PACKING CASE	[M]GK
P2	RPN1406-1	POLYFOAM	[M]
P3	RPFX0007	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	N2QAJB000023	REMOTE CONTROLLER	[M]GCP
A1	N2QAJB000024	REMOTE CONTROLLER	[M]GCS GC
A1	N2QAJB000025	REMOTE CONTROLLER	[M]GN
A1-1	RKK-SA958WK	R/C BATTERY COVER	[M]
A2	RJA0019-2K	AC CORD (SF)	[M] ⚠
A2	RJA0035-1X	AC CORD	[M]GN ⚠
A2	RJA0055-J	AC CORD	[M]GK ⚠
A3	RQT5824-1P	O/I BOOK (En)	[M]GCS GC
A3	RQT5826-M	O/I BOOK	[M]GCP
A3	RQT5827-G	O/I BOOK	[M]GC
A3	RQT5828-K	O/I BOOK	[M]GCS GK
A4	RSA0006-J	FM ANTENNA	[M]GCS GC
A4	RSA0007	FM ANTENNA	[M]GK
A5	RSA0033	AM LOOP ANTENNA	[M]
A6	RJL1P016B15A	VIDEO CABLE	[M]
A7	SJP5213-2	AC CORD ADAPTOR	[M]GCP GC ⚠

16.6. Packaging

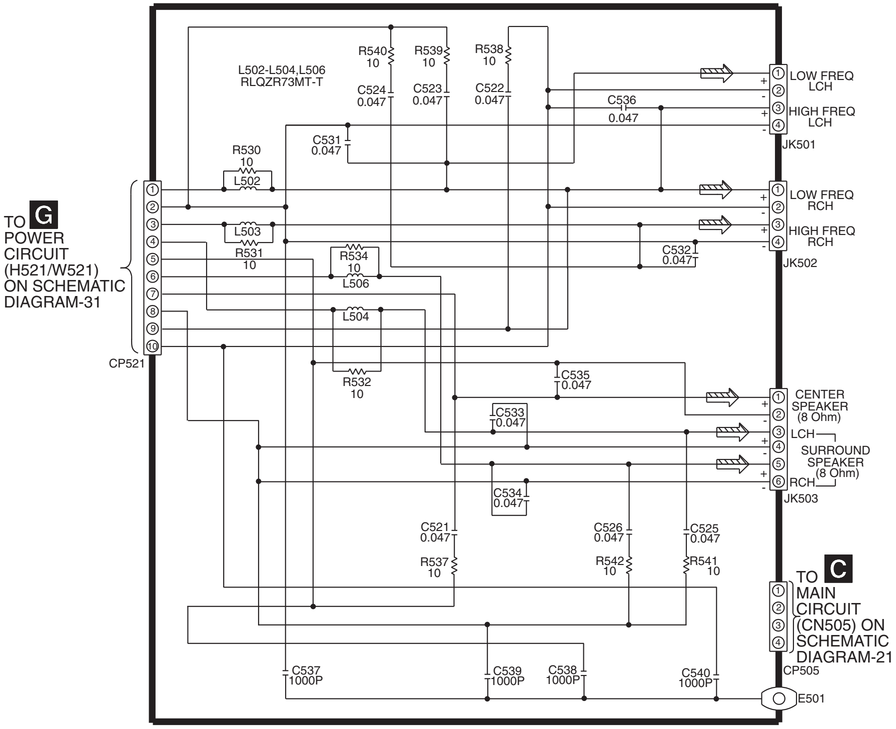

Accesory Box
P2 (RPN1406-1)
*P2(A)
*P2(B)
*P2 (A)
Front
Speakers
Surround +
Center Speakers
P3 (RPFX0007)
TOP
Front
*P2 (B)
P1 (RPG5329) - GC
(RPG5330) - GCS
(RPG5331) - GCP
(RPG5332) - GN
(RPG5333) - GK

Printed in Singapore / P010600001 D/H/K/J/N/L/PRT

H SPEAKER CIRCUIT (FOR GCS/GC/GT/GN/GCP)


R540 10
R539 10
R538 10
C524 0.047
C523 0.047
C522 0.047
C531 0.047
C536 0.047
C532 0.047
C535 0.047
C533 0.047
C534 0.047
C521 0.047
C526 0.047
C525 0.047
R537 10
R542 10
R541 10
C537 1000P
C539 1000P
C538 1000P
C540 1000P
① LOW FREQ LCH
②
③ HIGH FREQ LCH
④
JK501
① LOW FREQ RCH
③ HIGH FREQ RCH
JK502
① CENTER SPEAKER (8 Ohm)
③ LCH
SURROUND SPEAKER (8 Ohm)
⑥ RCH
JK503
TO C MAIN CIRCUIT (CN505) ON SCHEMATIC DIAGRAM-21
CP505
E501
TO G POWER CIRCUIT (H521/W521) ON SCHEMATIC DIAGRAM-31
CP521
+
-

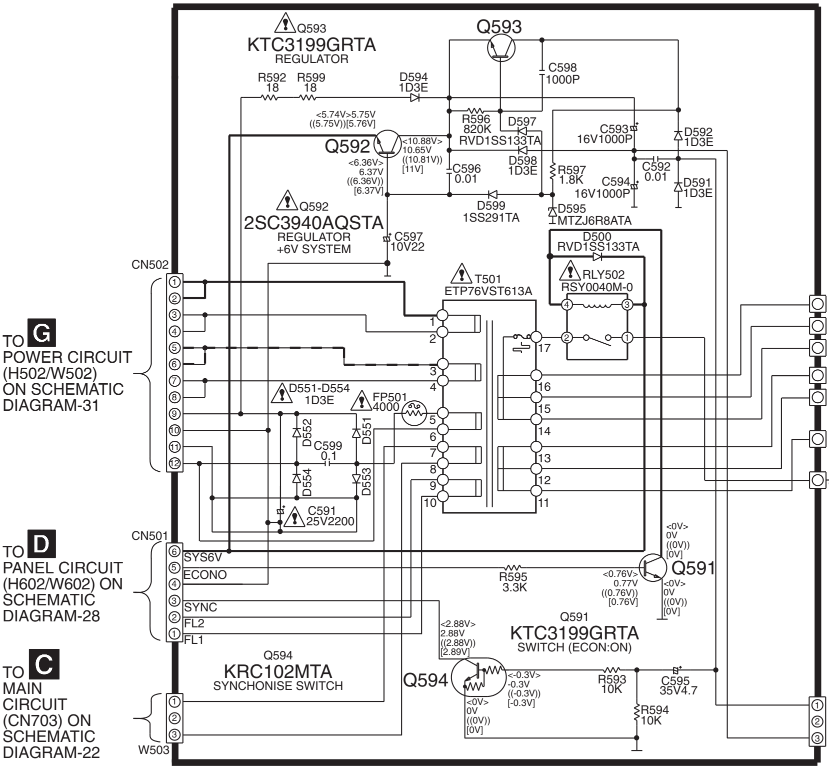
H SPEAKER CIRCUIT (FOR GK)


R540 10
R539 10
R538 10
L502-L504,L506
RLQZR73MT-T
C524 0.047
C523 0.047
C522 0.047
C536 0.047
C531 0.047
R530 10
L502
L503
R531 10
R534 10
L506
L504
R532 10
C532 0.047
C535 0.047
C533 0.047
C534 0.047
C521 0.047
C526 0.047
C525 0.047
R537 10
R542 10
R541 10
C537 1000P
C539 1000P
C538 1000P
C540 1000P
① LOW FREQ LCH
③ HIGH FREQ LCH
JK501
① LOW FREQ RCH
③ HIGH FREQ RCH
JK502
① CENTER SPEAKER (8 Ohm)
③ LCH
SURROUND SPEAKER (8 Ohm)
⑥ RCH
JK503
TO C MAIN CIRCUIT (CN505) ON SCHEMATIC DIAGRAM-21
CP505
E501
TO G POWER CIRCUIT (H521/W521) ON SCHEMATIC DIAGRAM-31
CP521
+
-

SCHEMATIC DIAGRAM - 32

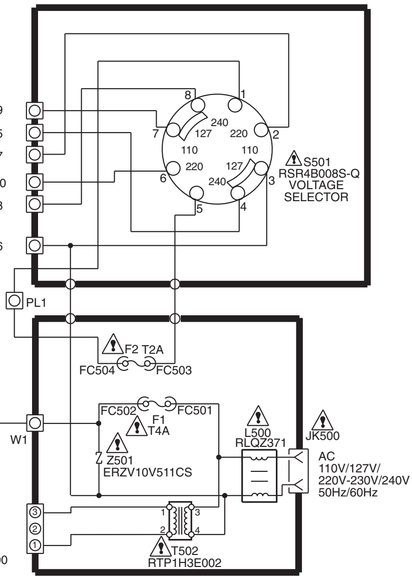
—— : +B SIGNAL LINE   – – : -B SIGNAL LINE

L TRANSFORMER CIRCUIT (FOR GCS/GC/GCP)



Q593
KTC3199GRTA
REGULATOR
Q593
C598
1000P
R592 18
R599 18
D594 1D3E
<5.74V>5.75V ((5.75V))[5.76V]
R596 820K
D597
RVD1SS133TA
C593 16V1000P
D592 1D3E
Q592
<10.88V> 10.65V ((10.81V)) [11V]
<6.36V> 6.37V ((6.36V)) [6.37V]
C596 0.01
D598 1D3E
R597 1.8K
C594 16V1000P
C592 0.01
D591 1D3E
D599 1SS291TA
D595 MTZJ6R8ATA
Q592
2SC3940AQSTA
REGULATOR +6V SYSTEM
C597 10V22
D500 RVD1SS133TA
RLY502 RSY0040M-0
T501 ETP76VST613A
CN502
TO G POWER CIRCUIT (H502/W502) ON SCHEMATIC DIAGRAM-31
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
D551-D554 1D3E
FP501 4000
D552 D551 C599 0.1 D554 D553
C591 25V2200
W9 W5 W7 W10 W8 W6 W1
CN501
TO D PANEL CIRCUIT (H602/W602) ON SCHEMATIC DIAGRAM-28
SYS6V ECONO SYNC FL2 FL1
R595 3.3K
<0V> 0V ((0V)) [0V]
<0.76V> 0.77V ((0.76V)) [0.76V]
Q591
Q591 KTC3199GRTA SWITCH (ECON:ON)
<2.88V> 2.88V ((2.88V)) [2.89V]
Q594 KRC102MTA SYNCHONISE SWITCH
Q594
<-0.3V> -0.3V ((-0.3V)) [-0.3V]
<0V> 0V ((0V)) [0V]
R593 10K
C595 35V4.7
R594 10K
TO C MAIN CIRCUIT (CN703) ON SCHEMATIC DIAGRAM-22
W503
W500

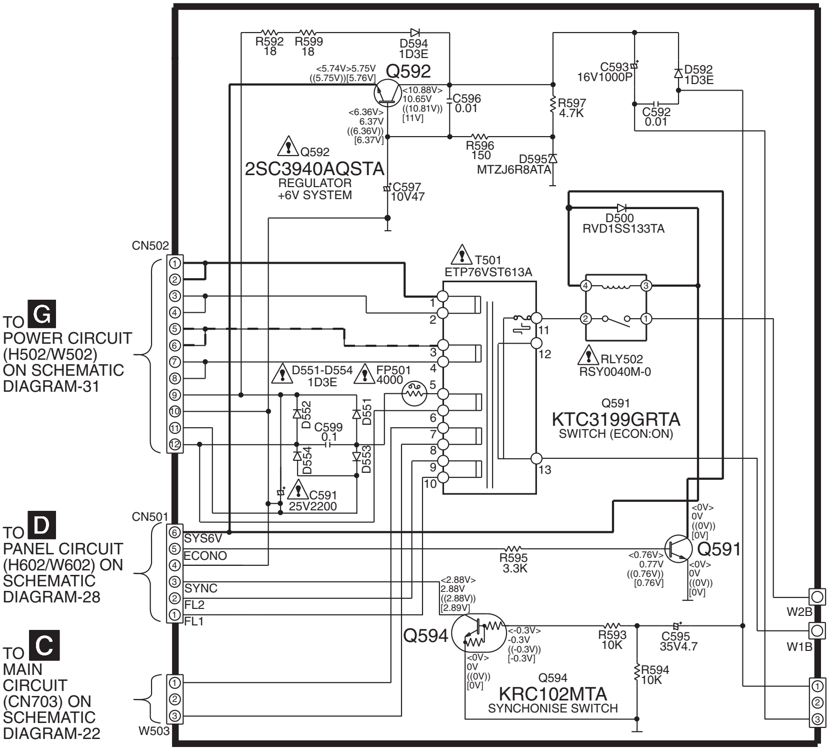
T VOLTAGE SELECTOR CIRCUIT



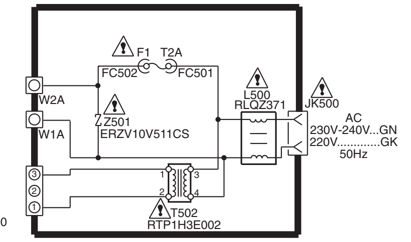
8 1 7 2 6 3 5 4
240 127 220 110 110 220 127 240
S501 RSR4B008S-Q VOLTAGE SELECTOR
PL1
F2 T2A
FC504 FC503
W1
FC502 FC501
F1 T4A
Z501 ERZV10V511CS
L500 RLQZ371
JK500
AC 110V/127V/ 220V-230V/240V 50Hz/60Hz
T502 RTP1H3E002
③ ② ①
1 2 3 4

M SUB-TRANSFORMER CIRCUIT

L TRANSFORMER CIRCUIT (FOR GN/GK)



R592 18
R599 18
D594 1D3E
<5.74V>5.75V ((5.75V))[5.76V]
Q592
<10.88V> 10.65V ((10.81V)) [11V]
<6.36V> 6.37V ((6.36V)) [6.37V]
C596 0.01
C593 16V1000P
D592 1D3E
R597 4.7K
C592 0.01
R596 150
D595 MTZJ6R8ATA
Q592 2SC3940AQSTA REGULATOR +6V SYSTEM
C597 10V47
D500 RVD1SS133TA
T501 ETP76VST613A
CN502
TO G POWER CIRCUIT (H502/W502) ON SCHEMATIC DIAGRAM-31
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
1 2 3 4 5 6 7 8 9 10 11 12 13
RLY502 RSY0040M-0
D551-D554 1D3E
FP501 4000
D552 D551 C599 0.1 D554 D553
C591 25V2200
Q591 KTC3199GRTA SWITCH (ECON:ON)
CN501
TO D PANEL CIRCUIT (H602/W602) ON SCHEMATIC DIAGRAM-28
SYS6V ECONO SYNC FL2 FL1
R595 3.3K
<0V> 0V ((0V)) [0V]
<0.76V> 0.77V ((0.76V)) [0.76V]
Q591
<2.88V> 2.88V ((2.88V)) [2.89V]
Q594
<-0.3V> -0.3V ((-0.3V)) [-0.3V]
<0V> 0V ((0V)) [0V]
R593 10K
C595 35V4.7
R594 10K
Q594 KRC102MTA SYNCHONISE SWITCH
W2B W1B
TO C MAIN CIRCUIT (CN703) ON SCHEMATIC DIAGRAM-22
W503
W500

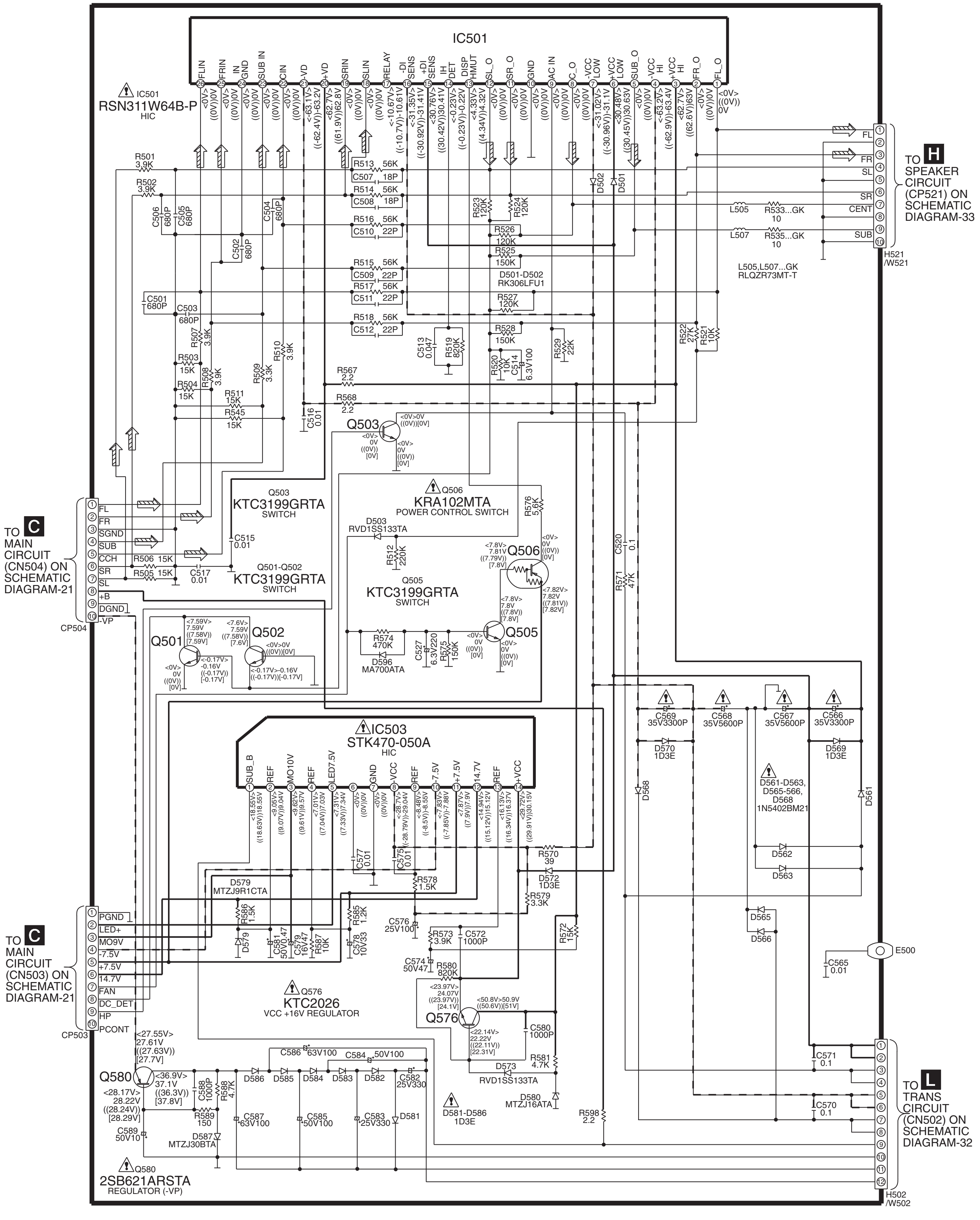


F1 T2A
FC502 FC501
W2A W1A
Z501 ERZV10V511CS
L500 RLQZ371
JK500
AC 230V-240V...GN 220V............GK 50Hz
T502 RTP1H3E002
③ ② ①
1 2 3 4

M SUB-TRANSFORMER CIRCUIT

—— : +B SIGNAL LINE - - : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

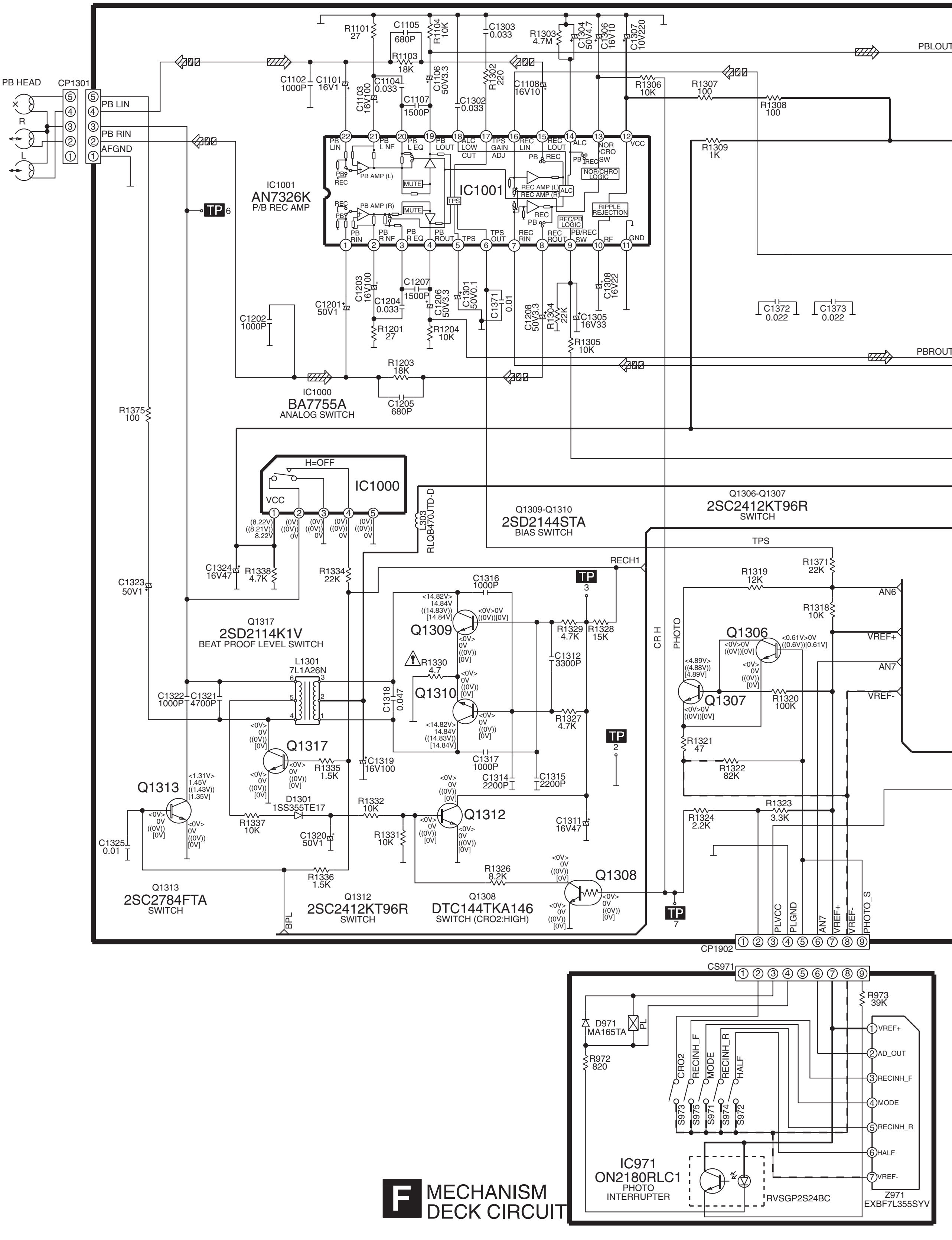
G POWER CIRCUIT


IC501
IC501
RSN311W64B-P
HIC
FLIN
FRIN
IN GND
SUB IN
CIN
-VD
+VD
SRIN
SLIN
RELAY
-DI SENS
+DI SENS
IH DET
DISP HMUT
SL_O
SR_O
GND
AC IN
C_O
-VCC LOW
+VCC LOW
SUB_O
-VCC HI
+VCC HI
FR_O
FL_O
R501 3.9K
R502 3.9K
C506 680P
C505 680P
C504 680P
C502 680P
C501 680P
C503 680P
R507 3.9K
R503 15K
R508 3.9K
R504 15K
R509 3.3K
R510 3.9K
R511 15K
R545 15K
R513 56K
C507 18P
R514 56K
C508 18P
R516 56K
C510 22P
R515 56K
C509 22P
R517 56K
C511 22P
R518 56K
C512 22P
C513 0.047
R519 820K
R523 120K
R524 120K
R526 120K
R525 150K
D501-D502
RK306LFU1
R527 120K
R528 150K
R520 10K
C514 6.3V100
R529 22K
R522 27K
R521 10K
D502
D501
L505
R533...GK 10
L507
R535...GK 10
L505,L507...GK
RLQZR73MT-T
FL
FR
SL
SR
CENT
SUB
H521 /W521
TO H SPEAKER CIRCUIT (CP521) ON SCHEMATIC DIAGRAM-33
R567 2.2
R568 2.2
C516 0.01
Q503
Q503
KTC3199GRTA
SWITCH
Q506
KRA102MTA
POWER CONTROL SWITCH
R576 5.6K
D503
RVD1SS133TA
R512 220K
Q506
Q505
KTC3199GRTA
SWITCH
C520 0.1
R571 47K
C515 0.01
Q501-Q502
KTC3199GRTA
SWITCH
R506 15K
R505 15K
C517 0.01
TO C MAIN CIRCUIT (CN504) ON SCHEMATIC DIAGRAM-21
FL
FR
SGND
SUB
CCH
SR
SL
+B
DGND
-VP
CP504
Q501
Q502
Q505
R574 470K
D596
MA700ATA
C527 6.3V220
R575 150K
C569 35V3300P
C568 35V5600P
C567 35V5600P
C566 35V3300P
D570 1D3E
D569 1D3E
D561-D563, D565-566, D568
1N5402BM21
D568
D561
D562
D563
D565
D566
E500
C565 0.01
IC503
STK470-050A
HIC
SUB_B
REF
MO10V
REF
LED7.5V
GND
-VCC
REF
-7.5V
+7.5V
14.7V
REF
+VCC
C577 0.01
C575 0.01
R570 39
D572 1D3E
R578 1.5K
R579 3.3K
D579
MTZJ9R1CTA
R586 1.5K
R585 1.2K
D579
C581 50V0.47
C579 16V47
R587 10K
C578 10V33
C576 25V100
R573 3.9K
C572 1000P
R572 15K
C574 50V47
R580 820K
Q576
KTC2026
VCC +16V REGULATOR
Q576
C580 1000P
R581 4.7K
D573
RVD1SS133TA
D580
MTZJ16ATA
R598 2.2
TO C MAIN CIRCUIT (CN503) ON SCHEMATIC DIAGRAM-21
PGND
LED+
MO9V
-7.5V
+7.5V
14.7V
FAN
DC_DET
HP
PCONT
CP503
Q580
C588 1000P
R588 4.7K
R589 150
C589 50V10
D587
MTZJ30BTA
C586 63V100
C584 50V100
D586
D585
D584
D583
D582
C582 25V330
C587 63V100
C585 50V100
C583 25V330
D581
D581-D586
1D3E
Q580
2SB621ARSTA
REGULATOR (-VP)
C571 0.1
C570 0.1
TO L TRANS CIRCUIT (CN502) ON SCHEMATIC DIAGRAM-32
H502 /W502

SCHEMATIC DIAGRAM - 29

—— : +B SIGNAL LINE – – : -B SIGNAL LINE ▨⇨ : RECORD SIGNAL LINE ▨⇨ : PLAYBACK SIGNAL LINE

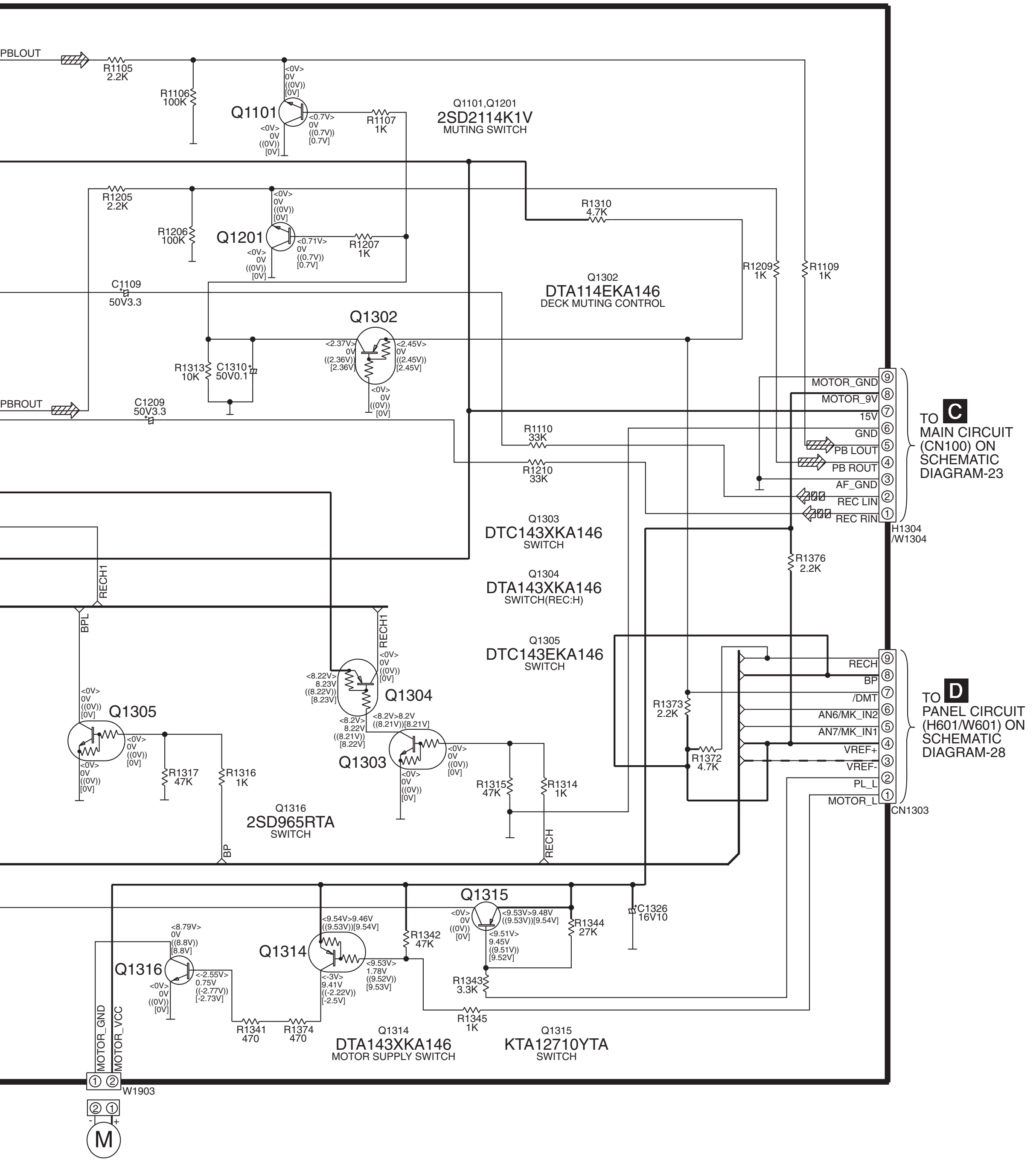
E DECK CIRCUIT


PB HEAD
CP1301
R
L
PB LIN
PB RIN
AFGND
IC1001
AN7326K
P/B REC AMP
IC1001
PB AMP (L)
PB AMP (R)
MUTE
TPS
REC AMP (L)
REC AMP (R)
ALC
NOR/CHRO LOGIC
RIPPLE REJECTION
REC/PB LOGIC
PB LIN
PB L NF
PB L EQ
PB LOUT
ALC LOW CUT
TPS GAIN ADJ
REC LIN
REC LOUT
ALC
NOR /CRO SW
VCC
PB RIN
PB R NF
PB R EQ
PB ROUT
TPS
TPS OUT
REC RIN
REC ROUT
PB/REC SW
RF
GND
R1101 27
C1105 680P
R1104 10K
R1103 18K
C1102 1000P
C1101 16V1
C1104 0.033
C1103 16V100
C1107 1500P
C1106 50V3.3
C1302 0.033
C1303 0.033
R1302 220
C1108 16V10
R1303 4.7M
C1304 50V4.7
C1306 16V10
C1307 10V220
R1306 10K
R1307 100
R1308 100
R1309 1K
PBLOUT
PBROUT
C1201 50V1
C1202 1000P
C1203 16V100
C1204 0.033
C1207 1500P
C1206 50V3.3
C1301 50V0.1
C1371 0.01
C1208 50V3.3
R1304 22K
C1305 16V33
C1308 16V22
R1305 10K
R1201 27
R1204 10K
R1203 18K
C1205 680P
C1372 0.022
C1373 0.022
IC1000
BA7755A
ANALOG SWITCH
TP 6
R1375 100
IC1000
H=OFF
VCC
(8.22V) ((8.21V)) 8.22V
(0V) ((0V)) 0V
C1324 16V47
R1338 4.7K
R1334 22K
L303 RLQB470JTD-D
C1323 50V1
Q1317
2SD2114K1V
BEAT PROOF LEVEL SWITCH
L1301 7L1A26N
C1322 1000P
C1321 4700P
Q1309-Q1310
2SD2144STA
BIAS SWITCH
Q1306-Q1307
2SC2412KT96R
SWITCH
TPS
RECH1
TP 3
C1316 1000P
Q1309
Q1310
<14.82V> 14.84V ((14.83V)) [14.84V]
R1330 4.7
R1329 4.7K
R1328 15K
C1312 3300P
R1327 4.7K
C1318 0.047
C1317 1000P
C1314 2200P
C1315 2200P
TP 2
Q1317
R1335 1.5K
C1319 16V100
D1301 1SS355TE17
R1337 10K
C1320 50V1
Q1313
<1.31V> 1.45V ((1.43V)) [1.35V]
C1325 0.01
R1332 10K
R1331 10K
Q1312
C1311 16V47
R1336 1.5K
R1326 8.2K
Q1308
Q1313
2SC2784FTA
SWITCH
Q1312
2SC2412KT96R
SWITCH
Q1308
DTC144TKA146
SWITCH (CRO2:HIGH)
BPL
CR H
PHOTO
R1371 22K
R1319 12K
R1318 10K
AN6
VREF+
AN7
VREF-
Q1306
Q1307
<0.61V>0V ((0.6V))[0.61V]
<4.89V> ((4.88V)) [4.89V]
R1320 100K
R1321 47
R1322 82K
R1323 3.3K
R1324 2.2K
TP 7
PLVCC
PLGND
AN7
VREF+
VREF-
PHOTO_S
CP1902
CS971
R973 39K
D971 MA165TA
PL
R972 820
CRO2
RECINH_F
MODE
RECINH_R
HALF
S973
S975
S971
S974
S972
VREF+
AD_OUT
RECINH_F
MODE
RECINH_R
HALF
VREF-
Z971
EXBF7L355SYV
IC971
ON2180RLC1
PHOTO INTERRUPTER
RVSGP2S24BC
F MECHANISM DECK CIRCUIT

SCHEMATIC DIAGRAM - 30

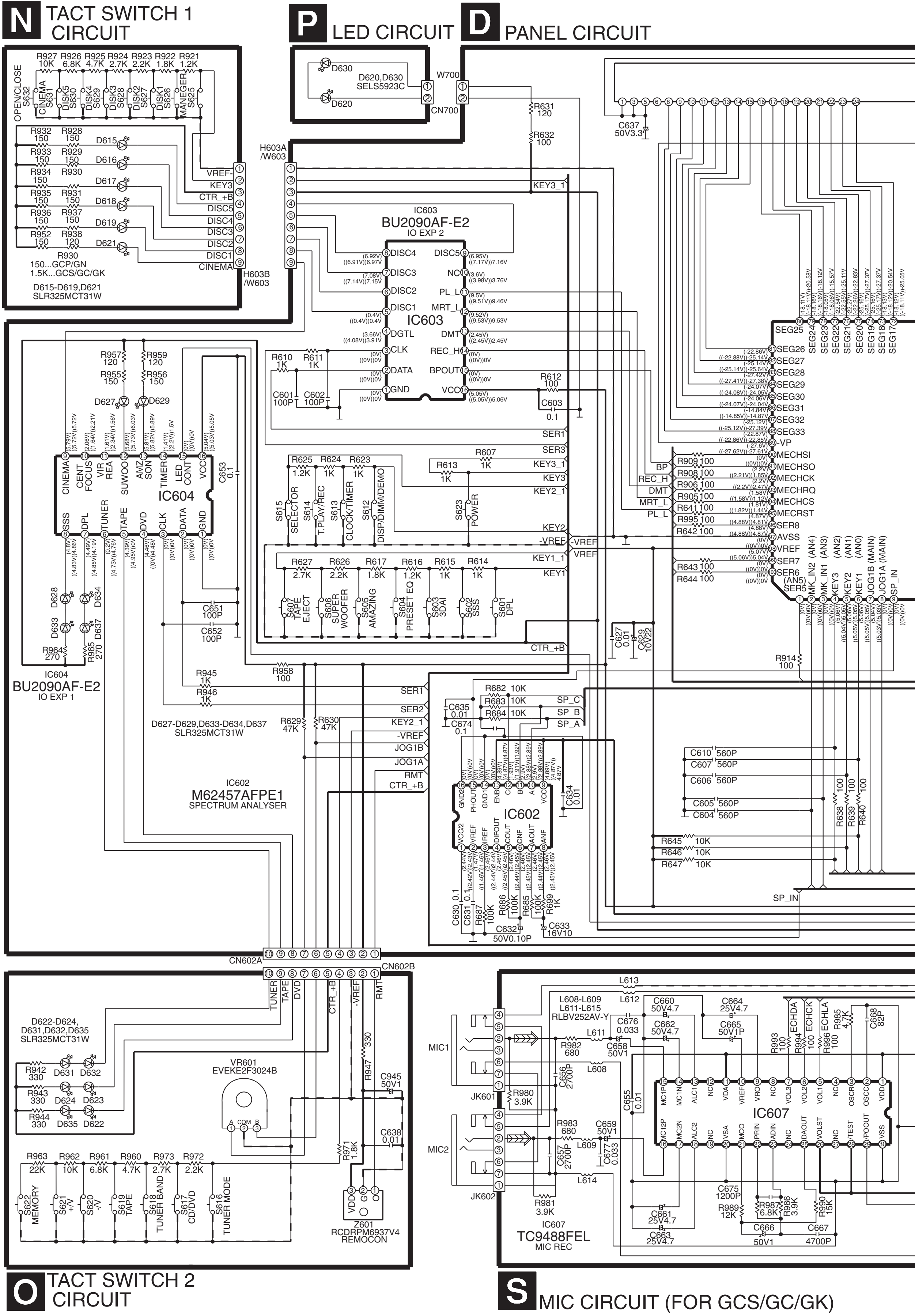
—— : +B SIGNAL LINE   - - : -B SIGNAL LINE   ▨⇨ : RECORD SIGNAL LINE   ▨⇨ : PLAYBACK SIGNAL LINE

E DECK CIRCUIT


PBLOUT
R1105
2.2K
R1106
100K
Q1101
<0V>
0V
((0V))
[0V]
<0.7V>
0V
((0.7V))
[0.7V]
R1107
1K
Q1101,Q1201
2SD2114K1V
MUTING SWITCH
R1205
2.2K
R1206
100K
Q1201
<0.71V>
0V
((0.7V))
[0.7V]
R1207
1K
R1310
4.7K
R1209
1K
R1109
1K
C1109
50V3.3
Q1302
DTA114EKA146
DECK MUTING CONTROL
Q1302
<2.37V>
0V
((2.36V))
[2.36V]
<2.45V>
0V
((2.45V))
[2.45V]
R1313
10K
C1310
50V0.1
PBROUT
C1209
50V3.3
R1110
33K
R1210
33K
MOTOR_GND
MOTOR_9V
15V
GND
PB LOUT
PB ROUT
AF_GND
REC LIN
REC RIN
⑨ ⑧ ⑦ ⑥ ⑤ ④ ③ ② ①
H1304
/W1304
TO C
MAIN CIRCUIT
(CN100) ON
SCHEMATIC
DIAGRAM-23
Q1303
DTC143XKA146
SWITCH
Q1304
DTA143XKA146
SWITCH(REC:H)
Q1305
DTC143EKA146
SWITCH
R1376
2.2K
RECH1
BPL
RECH1
Q1305
<0V>
0V
((0V))
[0V]
Q1304
<8.22V>
8.23V
((8.22V))
[8.23V]
<8.2V>
8.22V
((8.21V))
[8.22V]
<8.2V>8.2V
((8.21V))[8.21V]
Q1303
R1317
47K
R1316
1K
R1315
47K
R1314
1K
R1373
2.2K
R1372
4.7K
RECH
BP
/DMT
AN6/MK_IN2
AN7/MK_IN1
VREF+
VREF-
PL_L
MOTOR_L
CN1303
TO D
PANEL CIRCUIT
(H601/W601) ON
SCHEMATIC
DIAGRAM-28
Q1316
2SD965RTA
SWITCH
BP
RECH
Q1315
<9.54V>9.46V
((9.53V))[9.54V]
<9.53V>9.48V
((9.53V))[9.54V]
R1344
27K
C1326
16V10
R1342
47K
<9.51V>
9.45V
((9.51V))
[9.52V]
Q1314
<9.53V>
1.78V
((9.52V))
[9.53V]
<-3V>
9.41V
((-2.22V))
[-2.5V]
R1343
3.3K
R1345
1K
Q1316
<8.79V>
0V
((8.8V))
[8.8V]
<-2.55V>
0.75V
((-2.77V))
[-2.73V]
R1341
470
R1374
470
Q1314
DTA143XKA146
MOTOR SUPPLY SWITCH
Q1315
KTA12710YTA
SWITCH
MOTOR_GND
MOTOR_VCC
① ②
W1903
② ①
- +
M

SCHEMATIC DIAGRAM - 27

—— : +B SIGNAL LINE
– – : -B SIGNAL LINE
⇨ : MAIN SIGNAL LINE
⇨ : MIC SIGNAL LINE

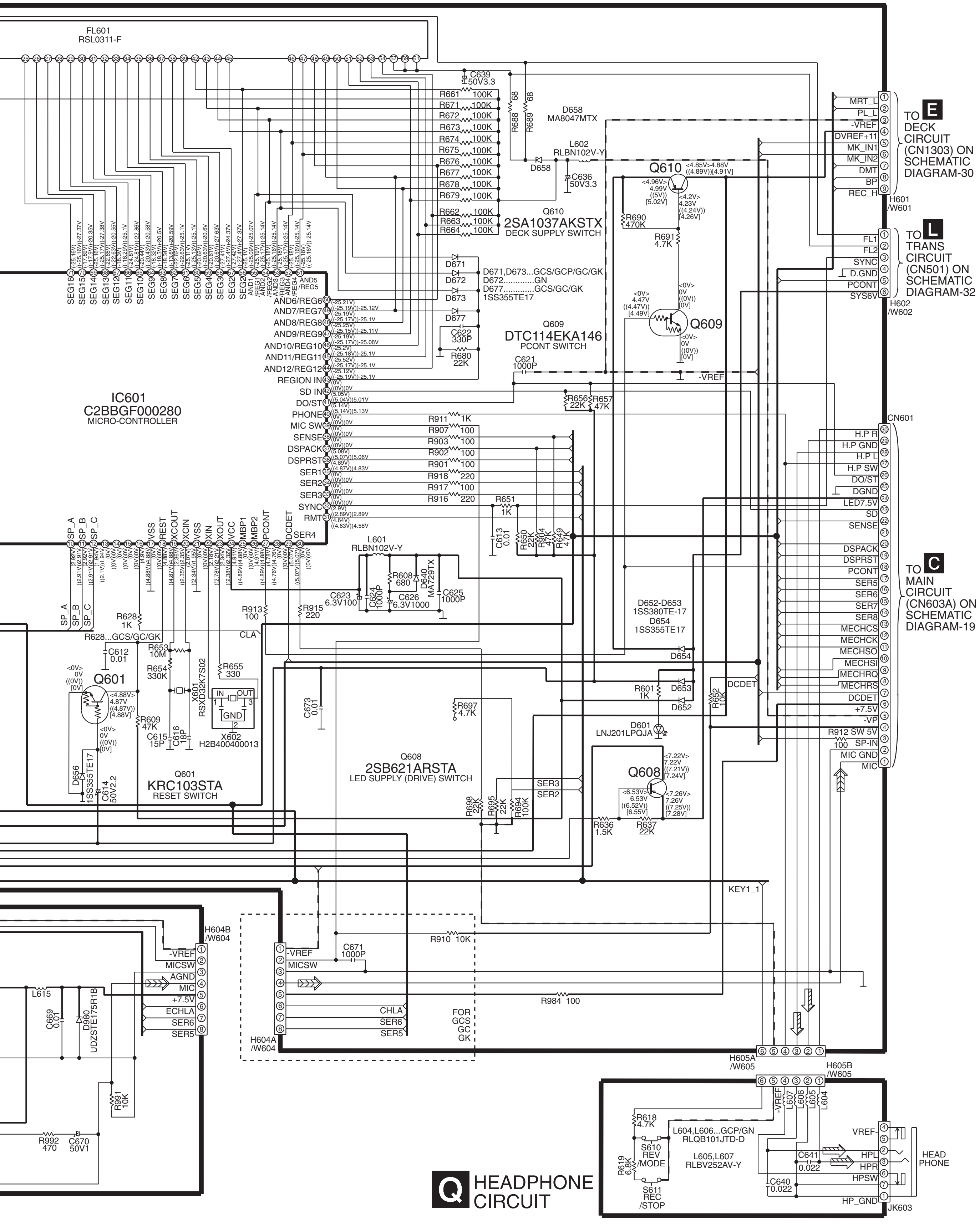


N TACT SWITCH 1 CIRCUIT
P LED CIRCUIT
D PANEL CIRCUIT
O TACT SWITCH 2 CIRCUIT
S MIC CIRCUIT (FOR GCS/GC/GK)
OPEN/CLOSE S632
CINEMA S631
DISK5 S630
DISK4 S629
DISK3 S628
DISK2 S627
DISK1 S626
MANEGER S625
R927 10K R926 6.8K R925 4.7K R924 2.7K R923 2.2K R922 1.8K R921 1.2K
R930 150...GCP/GN 1.5K...GCS/GC/GK
D615-D619,D621 SLR325MCT31W
D620,D630 SELS5923C
W700
CN700
H603A /W603
H603B /W603
VREF- KEY3 CTR_+B DISC5 DISC4 DISC3 DISC2 DISC1 CINEMA
R631 120
R632 100
C637 50V3.3
IC603 BU2090AF-E2 IO EXP 2
DISC4 DISC3 DISC2 DISC1 DGTL CLK DATA GND DISC5 NC PL_L MRT_L DMT REC_H BPOUT VCC
R610 1K R611 1K C601 100P C602 100P
R612 100 C603 0.1
IC604 BU2090AF-E2 IO EXP 1
CINEMA CENT FOCUS VIR REA SUWOO AMZ SON TIMER LED CONT VCC SSS DPL TUNER TAPE DVD CLK DATA GND
R957 120 R959 120 R955 150 R956 150
D627 D629 D628 D634 D633 D637
R964 270 R965 270
C653 0.1 C651 100P C652 100P
D627-D629,D633-D634,D637 SLR325MCT31W
R625 1.2K R624 1K R623 1K
S615 SELECTOR S614 T.PLAY/REC S613 CLOCK/TIMER S612 DISP/DIMM/DEMO
R607 1K R613 1K S623 POWER
R627 2.7K R626 2.2K R617 1.8K R616 1.2K R615 1K R614 1K
S607 TAPE EJECT S606 SUPER WOOFER S605 AMAZING S604 PRESET EQ S603 3DAI S602 SSS S601 DPL
SER1 SER3 KEY3_1 KEY3 KEY2_1 KEY2 -VREF VREF KEY1_1 KEY1 CTR_+B
C627 0.01 C629 10V22
R945 1K R946 1K R958 100
SER1 SER2 KEY2_1 -VREF JOG1B JOG1A RMT CTR_+B
R629 47K R630 47K
IC602 M62457AFPE1 SPECTRUM ANALYSER
R682 10K R683 10K R684 10K SP_C SP_B SP_A
C635 0.01 C674 0.1 C634 0.01
GND2 PHOUT GND1 ENB C B A VCC VCC/2 VREF IREF DIFOUT SCOUT CNF AOUT ANF
C630 0.1 C631 0.1 R687 100K R686 100K R685 100K R699 1K C632 50V0.10P C633 16V10
SEG24 SEG23 SEG22 SEG21 SEG20 SEG19 SEG18 SEG17 SEG25 SEG26 SEG27 SEG28 SEG29 SEG30 SEG31 SEG32 SEG33 -VP MECHSI MECHSO MECHCK MECHRQ MECHCS MECRST SER8 AVSS VREF SER7 SER6 SER5
BP REC_H DMT MRT_L PL_L
R909 100 R908 100 R906 100 R905 100 R641 100 R995 100 R642 100 R643 100 R644 100
MK_IN2 MK_IN1 KEY3 KEY2 KEY1 JOG1B JOG1A SP_IN (AN5) (AN4) (AN3) (AN2) (AN1) (AN0) (MAIN) (MAIN)
R914 100
C610 560P C607 560P C606 560P C605 560P C604 560P
R638 100 R639 100 R640 100
R645 10K R646 10K R647 10K SP_IN
CN602A CN602B
TUNER TAPE DVD CTR_+B -VREF RMT
D622-D624, D631,D632,D635 SLR325MCT31W
R942 330 R943 330 R944 330 D631 D632 D624 D623 D635 D622
VR601 EVEKE2F3024B A COM B
R947 330 C945 50V1 C638 0.01 R971 1.8K
Z601 RCDRPM6937V4 REMOCON VDD G O
R963 22K R962 10K R961 6.8K R960 4.7K R973 2.7K R972 2.2K
S622 MEMORY S621 +/V S620 -/V S619 TAPE S618 TUNER BAND S617 CD/DVD S616 TUNER MODE
MIC1 MIC2 JK601 JK602
L608-L609 L611-L615 RLBV252AV-Y
L613 L612 L611 L608 L609 L614
R982 680 R980 3.9K R983 680 R981 3.9K
C676 0.033 C658 50V1 C656 2700P C657 2700P C659 50V1 C677 0.033 C655 0.01
C660 50V4.7 C662 50V4.7 C664 25V4.7 C665 50V1P C668 82P
R993 100 R994 100 R996 100 R985 4.7K ECHDA ECHCK ECHLA
IC607 TC9488FEL MIC REC
MC1P MC1N ALC1 NC VDA VREF VRO NC VOL3 VOL2 VOL1 NC OSCR OSCC VDD MC12P MC2N ALC2 NC VSA MCO PRIN ADIN NC DAOUT VOLST NC TEST IPOOUT VSS
C675 1200P R989 12K R987 6.8K R986 3.9K R990 15K
C661 25V4.7 C663 25V4.7 C666 50V1 C667 4700P

SCHEMATIC DIAGRAM - 28

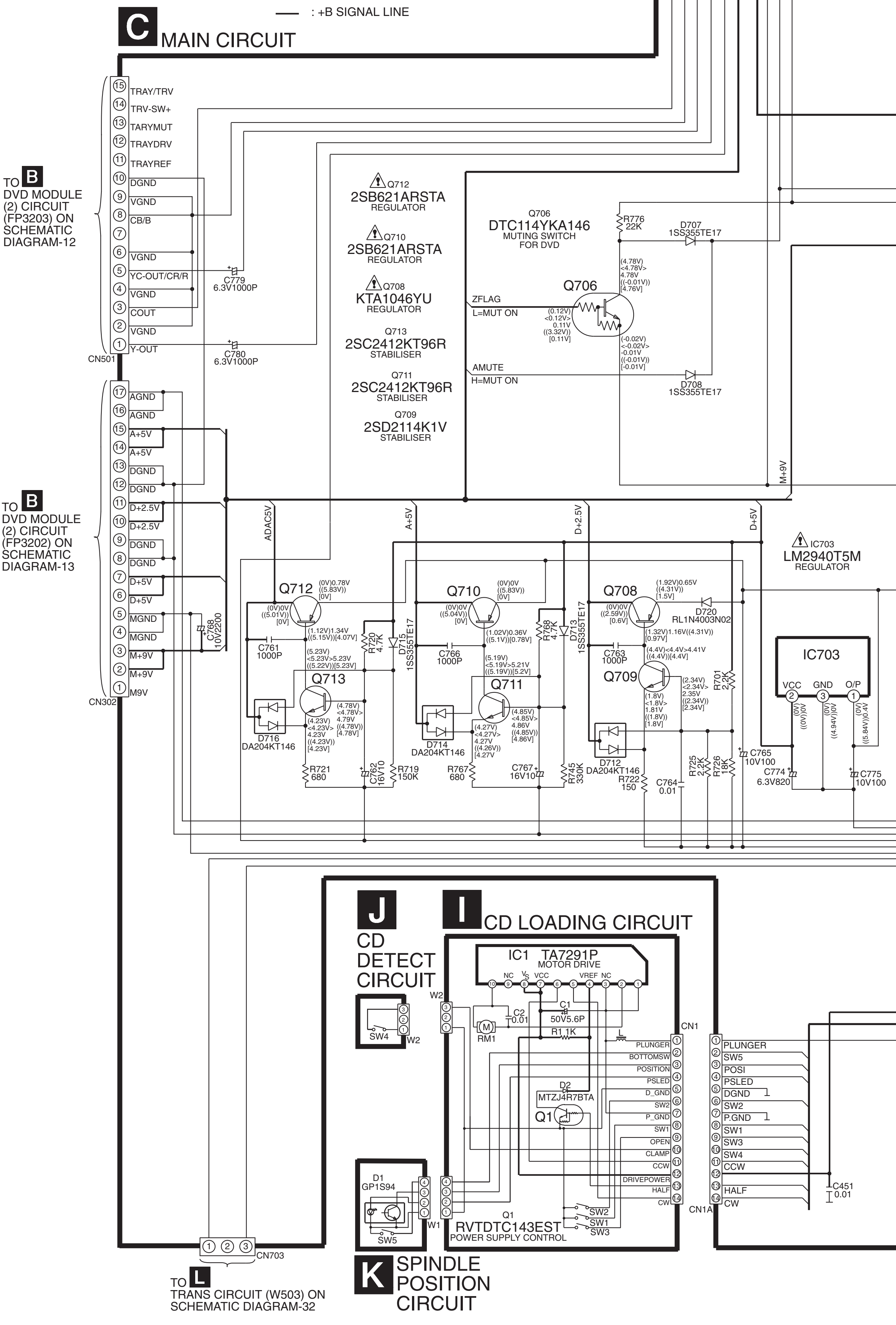
—— : +B SIGNAL LINE   – – : -B SIGNAL LINE   ⇒: MIC SIGNAL LINE

D PANEL CIRCUIT



FL601
RSL0311-F
C639 50V3.3
R661 100K
R671 100K
R672 100K
R673 100K
R674 100K
R675 100K
R676 100K
R677 100K
R678 100K
R679 100K
R662 100K
R663 100K
R664 100K
R688 68
R689 68
D658 MA8047MTX
L602 RLBN102V-Y
D658
C636 50V3.3
Q610
2SA1037AKSTX
DECK SUPPLY SWITCH
Q610
R690 470K
R691 4.7K
Q609
DTC114EKA146
PCONT SWITCH
Q609
D671
D672
D673
D677
D671,D673...GCS/GCP/GC/GK
D672............GN
D677............GCS/GC/GK
1SS355TE17
C622 330P
R680 22K
C621 1000P
-VREF
R656 22K
R657 47K
SEG16
SEG15
SEG14
SEG13
SEG12
SEG11
SEG10
SEG9
SEG8
SEG7
SEG6
SEG5
SEG4
SEG3
SEG2
AND1/REG1
AND2/REG2
AND3/REG3
AND4/REG4
AND5/REG5
AND6/REG6
AND7/REG7
AND8/REG8
AND9/REG9
AND10/REG10
AND11/REG11
AND12/REG12
REGION IN
SD IN
DO/ST
PHONE
MIC SW
SENSE
DSPACK
DSPRST
SER1
SER2
SER3
SYNC
RMT
IC601
C2BBGF000280
MICRO-CONTROLLER
R911 1K
R907 100
R903 100
R902 100
R901 100
R918 220
R917 100
R916 220
R651 1K
C613 0.01
R650 22K
R904 47K
R649 47K
SP_A
SP_B
SP_C
VSS
REST
XCOUT
XCIN
VSS
XIN
XOUT
VCC
MBP1
MBP2
PCONT
DCDET
SER4
L601 RLBN102V-Y
R608 680
D640 MA729TX
C623 6.3V100
C624 1000P
C626 6.3V1000
C625 1000P
R913 100
R915 220
CLA
R628 1K
R628...GCS/GC/GK
C612 0.01
R653 10M
R654 330K
R655 330
X601 RSXD32K7S02
X602 H2B400400013
IN OUT GND
Q601
R609 47K
C615 15P
C616 18P
D656 1SS355TE17
C614 50V2.2
Q601
KRC103STA
RESET SWITCH
C673 0.01
R697 4.7K
Q608
2SB621ARSTA
LED SUPPLY (DRIVE) SWITCH
D652-D653 1SS380TE-17
D654 1SS355TE17
D654
R601 1K
D653
D652
R652 10K
DCDET
D601 LNJ201LPQJA
Q608
SER3
SER2
R698 22K
R695 22K
R694 100K
R636 1.5K
R637 22K
KEY1_1
MRT_L
PL_L
-VREF
DVREF+11
MK_IN1
MK_IN2
DMT
BP
REC_H
H601 /W601
TO E DECK CIRCUIT (CN1303) ON SCHEMATIC DIAGRAM-30
FL1
FL2
SYNC
D.GND
PCONT
SYS6V
H602 /W602
TO L TRANS CIRCUIT (CN501) ON SCHEMATIC DIAGRAM-32
CN601
H.P R
H.P GND
H.P L
H.P SW
DO/ST
DGND
LED7.5V
SD
SENSE
DSPACK
DSPRST
PCONT
SER5
SER6
SER7
SER8
MECHCS
MECHCK
MECHSO
MECHSI
MECHRQ
MECHRS
DCDET
+7.5V
-VP
R912 SW 5V
SP-IN
100
MIC GND
MIC
TO C MAIN CIRCUIT (CN603A) ON SCHEMATIC DIAGRAM-19
H604B /W604
-VREF
MICSW
AGND
MIC
+7.5V
ECHLA
SER6
SER5
L615
C669 0.01
D980 UDZSTE175R1B
R991 10K
R992 470
C670 50V1
-VREF
MICSW
C671 1000P
R910 10K
R984 100
CHLA
SER6
SER5
FOR GCS GC GK
H604A /W604
H605A /W605
H605B /W605
-VREF
L607
L606
L605
L604
R618 4.7K
L604,L606...GCP/GN RLQB101JTD-D
L605,L607 RLBV252AV-Y
S610 REV /MODE
S611 REC /STOP
R619 6.8K
C641 0.022
C640 0.022
VREF-
HPL
HPR
HPSW
HP_GND
HEAD PHONE
JK603
Q HEADPHONE CIRCUIT

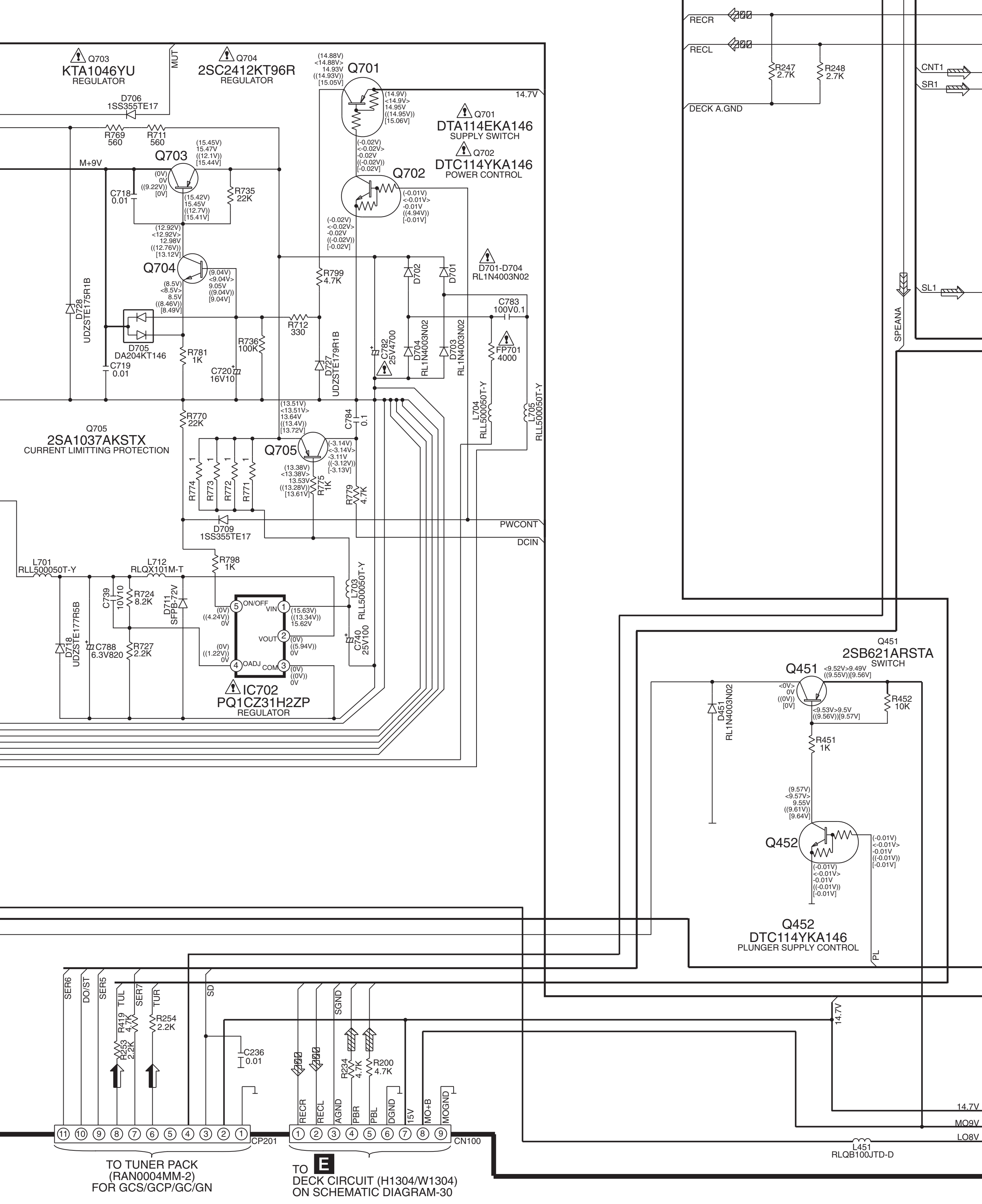
SCHEMATIC DIAGRAM - 22


: +B SIGNAL LINE
C MAIN CIRCUIT
TO B DVD MODULE (2) CIRCUIT (FP3203) ON SCHEMATIC DIAGRAM-12
CN501
15 TRAY/TRV
14 TRV-SW+
13 TARYMUT
12 TRAYDRV
11 TRAYREF
10 DGND
9 VGND
8 CB/B
7
6 VGND
5 YC-OUT/CR/R
4 VGND
3 COUT
2 VGND
1 Y-OUT
C779 6.3V1000P
C780 6.3V1000P
TO B DVD MODULE (2) CIRCUIT (FP3202) ON SCHEMATIC DIAGRAM-13
CN302
17 AGND
16 AGND
15 A+5V
14 A+5V
13 DGND
12 DGND
11 D+2.5V
10 D+2.5V
9 DGND
8 DGND
7 D+5V
6 D+5V
5 MGND
4 MGND
3 M+9V
2 M+9V
1 M9V
C768 10V2200
Q712 2SB621ARSTA REGULATOR
Q710 2SB621ARSTA REGULATOR
Q708 KTA1046YU REGULATOR
Q713 2SC2412KT96R STABILISER
Q711 2SC2412KT96R STABILISER
Q709 2SD2114K1V STABILISER
Q706 DTC114YKA146 MUTING SWITCH FOR DVD
R776 22K
D707 1SS355TE17
ZFLAG L=MUT ON
Q706
(4.78V) <4.78V> 4.78V ((-0.01V)) [4.76V]
(0.12V) <0.12V> 0.11V ((3.32V)) [0.11V]
(-0.02V) <-0.02V> -0.01V ((-0.01V)) [-0.01V]
AMUTE H=MUT ON
D708 1SS355TE17
M+9V
ADAC5V
A+5V
D+2.5V
D+5V
IC703 LM2940T5M REGULATOR
Q712
(0V)0.78V ((5.83V)) [0V]
(0V)0V ((5.01V)) [0V]
(1.12V)1.34V ((5.15V))[4.07V]
C761 1000P
(5.23V) <5.23V>5.23V ((5.22V))[5.23V]
R720 4.7K
D715 1SS355TE17
Q713
(4.78V) <4.78V> 4.79V ((4.78V)) [4.78V]
(4.23V) <4.23V> 4.23V ((4.23V)) [4.23V]
D716 DA204KT146
R721 680
C762 16V10
R719 150K
Q710
(0V)0V ((5.83V)) [0V]
(0V)0V ((5.04V)) [0V]
(1.02V)0.36V ((5.1V))[0.78V]
C766 1000P
(5.19V) <5.19V>5.21V ((5.19V))[5.2V]
R768 4.7K
D713 1SS355TE17
Q711
(4.85V) <4.85V> 4.86V ((4.85V)) [4.86V]
(4.27V) <4.27V> 4.27V ((4.26V)) [4.27V]
D714 DA204KT146
R767 680
C767 16V10
R745 330K
Q708
(1.92V)0.65V ((4.31V)) [1.5V]
(0V)0V ((2.59V)) [0.6V]
D720 RL1N4003N02
(1.32V)1.16V((4.31V)) [0.97V]
C763 1000P
(4.4V)<4.4V>4.41V ((4.4V))[4.4V]
Q709
(2.34V) <2.34V> 2.35V ((2.34V)) [2.34V]
(1.8V) <1.8V> 1.81V ((1.8V)) [1.8V]
R701 2.2K
D712 DA204KT146
R722 150
C764 0.01
R725 2.2K
R726 18K
C765 10V100
IC703
VCC 2 GND 3 O/P 1
(0V) ((0V))0V
(0V) ((4.94V))0V
(0V) ((5.84V))0.4V
C774 6.3V820
C775 10V100
J CD DETECT CIRCUIT
SW4
W2
I CD LOADING CIRCUIT
IC1 TA7291P MOTOR DRIVE
NC VS VCC VREF NC
10 9 8 7 6 5 4 3 2 1
W2
C2 0.01
C1 50V5.6P
RM1
R1 1K
L
D2 MTZJ4R7BTA
Q1
CN1
1 PLUNGER
2 BOTTOMSW
3 POSITION
4 PSLED
5 D_GND
6 SW2
7 P_GND
8 SW1
9 OPEN
10 CLAMP
11 CCW
12 DRIVEPOWER
13 HALF
14 CW
CN1A
1 PLUNGER
2 SW5
3 POSI
4 PSLED
5 DGND
6 SW2
7 P.GND
8 SW1
9 SW3
10 SW4
11 CCW
12
13 HALF
14 CW
C451 0.01
D1 GP1S94
SW5
W1
SW2
SW1
SW3
Q1 RVTDTC143EST POWER SUPPLY CONTROL
K SPINDLE POSITION CIRCUIT
CN703
1 2 3
TO L TRANS CIRCUIT (W503) ON SCHEMATIC DIAGRAM-32

SCHEMATIC DIAGRAM - 23

C MAIN CIRCUIT

— : +B SIGNAL LINE
➡ : FM/AM SIGNAL LINE
▨ : RECORD SIGNAL LINE
⇨ : MIC SIGNAL LINE
▨ : PLAYBACK SIGNAL LINE

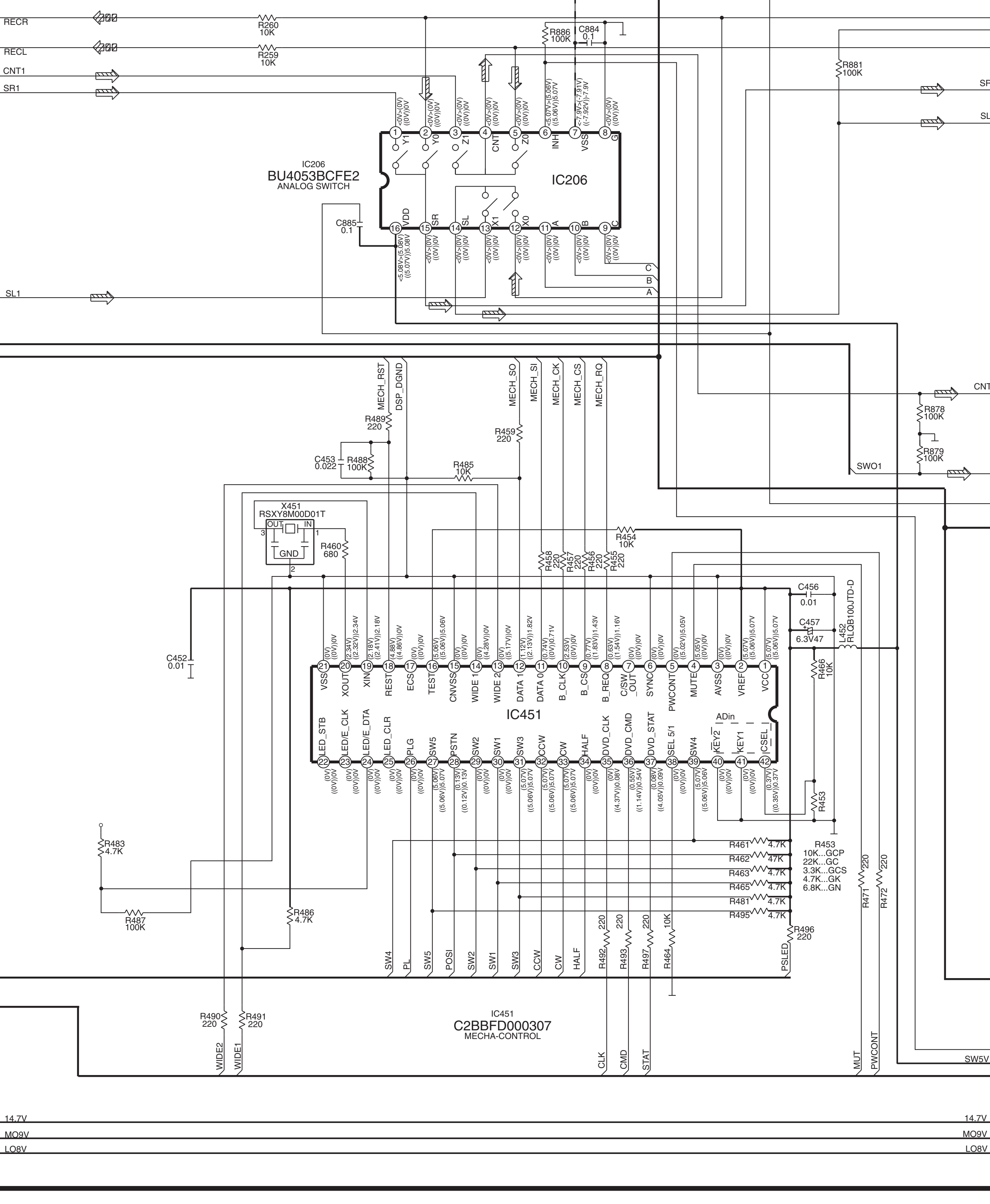


Q703
KTA1046YU
REGULATOR
Q704
2SC2412KT96R
REGULATOR
MUT
D706
1SS355TE17
R769
560
R711
560
M+9V
Q703
(15.45V)
15.47V
((12.1V))
[15.44V]
(0V)
0V
((9.22V))
[0V]
C718
0.01
(15.42V)
15.45V
((12.7V))
[15.41V]
R735
22K
(12.92V)
<12.92V>
12.98V
((12.76V))
[13.12V]
Q704
(9.04V)
<9.04V>
9.05V
((9.04V))
[9.04V]
(8.5V)
<8.5V>
8.5V
((8.46V))
[8.49V]
D728
UDZSTE175R1B
D705
DA204KT146
C719
0.01
R781
1K
R736
100K
C720
16V10
R712
330
Q701
(14.88V)
<14.88V>
14.93V
((14.93V))
[15.05V]
(14.9V)
<14.9V>
14.95V
((14.95V))
[15.06V]
14.7V
Q701
DTA114EKA146
SUPPLY SWITCH
Q702
DTC114YKA146
POWER CONTROL
(-0.02V)
<-0.02V>
-0.02V
((-0.02V))
[-0.02V]
Q702
(-0.01V)
<-0.01V>
-0.01V
((4.94V))
[-0.01V]
(-0.02V)
<-0.02V>
-0.02V
((-0.02V))
[-0.02V]
D701-D704
RL1N4003N02
R799
4.7K
D702
D701
C783
100V0.1
D727
UDZSTE179R1B
C782
25V4700
D704
RL1N4003N02
D703
RL1N4003N02
FP701
4000
L704
RLL500050T-Y
L705
RLL500050T-Y
Q705
2SA1037AKSTX
CURRENT LIMITTING PROTECTION
R770
22K
(13.51V)
<13.51V>
13.64V
((13.4V))
[13.72V]
C784
0.1
Q705
(-3.14V)
<-3.14V>
-3.11V
((-3.12V))
[-3.13V]
(13.38V)
<13.38V>
13.53V
((13.28V))
[13.61V]
R774
1
R773
1
R772
1
R771
1
R775
1K
R779
4.7K
D709
1SS355TE17
PWCONT
DCIN
L701
RLL500050T-Y
L712
RLQX101M-T
R798
1K
C739
10V10
R724
8.2K
D711
SFPB-72V
L703
RLL500050T-Y
ON/OFF
VIN
(0V)
((4.24V))
0V
(15.63V)
((13.34V))
15.62V
VOUT
(0V)
((5.94V))
0V
C740
25V100
D718
UDZSTE177R5B
C788
6.3V820
R727
2.2K
(0V)
((1.22V))
0V
OADJ
COM
(0V)
((0V))
0V
IC702
PQ1CZ31H2ZP
REGULATOR
RECR
RECL
R247
2.7K
R248
2.7K
DECK A.GND
CNT1
SR1
SL1
SPEANA
Q451
2SB621ARSTA
SWITCH
Q451
<9.52V>9.49V
((9.55V))[9.56V]
<0V>
0V
((0V))
[0V]
R452
10K
D451
RL1N4003N02
<9.53V>9.5V
((9.56V))[9.57V]
R451
1K
(9.57V)
<9.57V>
9.55V
((9.61V))
[9.64V]
Q452
(-0.01V)
<-0.01V>
-0.01V
((-0.01V))
[-0.01V]
(-0.01V)
<-0.01V>
-0.01V
((-0.01V))
[-0.01V]
Q452
DTC114YKA146
PLUNGER SUPPLY CONTROL
PL
SER6
DO/ST
SER5
TUL
SER7
TUR
SD
R419
4.7K
R253
2.2K
R254
2.2K
C236
0.01
SGND
R234
4.7K
R200
4.7K
14.7V
RECR
RECL
AGND
PBR
PBL
DGND
15V
MO+B
MOGND
⑪ ⑩ ⑨ ⑧ ⑦ ⑥ ⑤ ④ ③ ② ①
CP201
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
CN100
14.7V
MO9V
LO8V
L451
RLQB100JTD-D
TO TUNER PACK
(RAN0004MM-2)
FOR GCS/GCP/GC/GN
TO E
DECK CIRCUIT (H1304/W1304)
ON SCHEMATIC DIAGRAM-30

SCHEMATIC DIAGRAM - 24

C MAIN CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE
: RECORD SIGNAL LINE

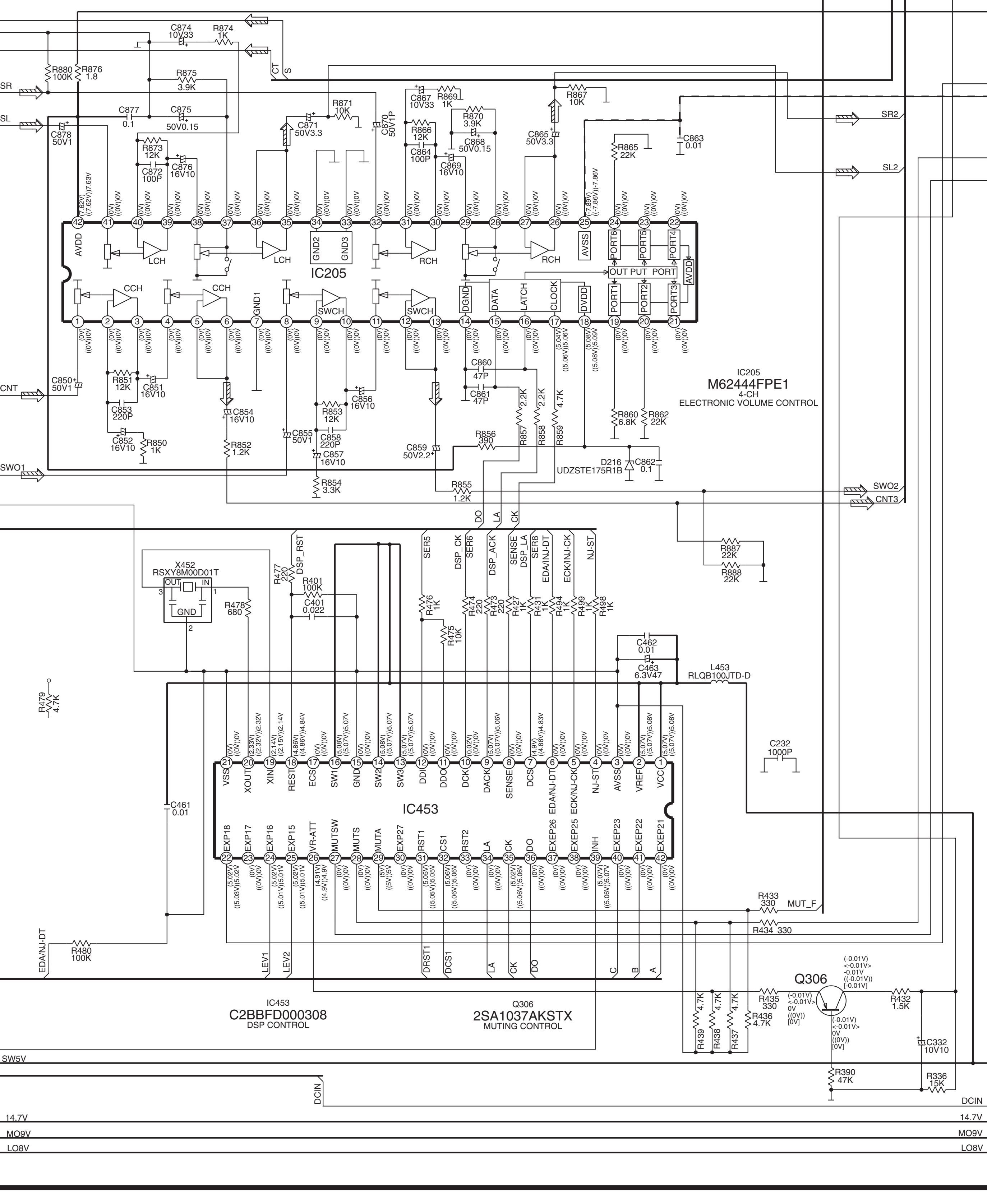


RECR
RECL
CNT1
SR1
SL1
R260 10K
R259 10K
R886 100K
C884 0.1
R881 100K
SR
SL
IC206
BU4053BCFE2
ANALOG SWITCH
IC206
Y1 Y0 Z1 CNT Z0 INH VSS G
VDD SR SL X1 X0 A B C
C885 0.1
C
B
A
CNT
R878 100K
R879 100K
SWO1
MECH_RST
DSP_DGND
MECH_SO
MECH_SI
MECH_CK
MECH_CS
MECH_RQ
R489 220
R459 220
C453 0.022
R488 100K
R485 10K
X451
RSXY8M00D01T
OUT
IN
GND
R460 680
R454 10K
R458 220
R457 220
R456 220
R455 220
C456 0.01
C457 6.3V47
L452 RLQB100JTD-D
C452 0.01
R466 10K
IC451
VSS XOUT XIN REST ECS TEST CNVSS WIDE 1 WIDE 2 DATA 1 DATA 0 B_CLK B_CS B_REQ C/SW_OUT SYNC PWCONT MUTE AVSS VREF VCC
LED_STB LED/E_CLK LED/E_DTA LED_CLR PLG SW5 PSTN SW2 SW1 SW3 CCW CW HALF DVD_CLK DVD_CMD DVD_STAT SEL 5/1 SW4 KEY2 KEY1 CSEL
ADin
R453
R483 4.7K
R487 100K
R486 4.7K
R461 4.7K
R462 47K
R463 4.7K
R465 4.7K
R481 4.7K
R495 4.7K
R496 220
R453
10K...GCP
22K...GC
3.3K...GCS
4.7K...GK
6.8K...GN
R471 220
R472 220
R492 220
R493 220
R497 220
R464 10K
SW4 PL SW5 POSI SW2 SW1 SW3 CCW CW HALF
PSLED
R490 220
R491 220
WIDE2
WIDE1
IC451
C2BBFD000307
MECHA-CONTROL
CLK
CMD
STAT
MUT
PWCONT
SW5V
14.7V
MO9V
LO8V
14.7V
MO9V
LO8V

SCHEMATIC DIAGRAM - 25

—— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

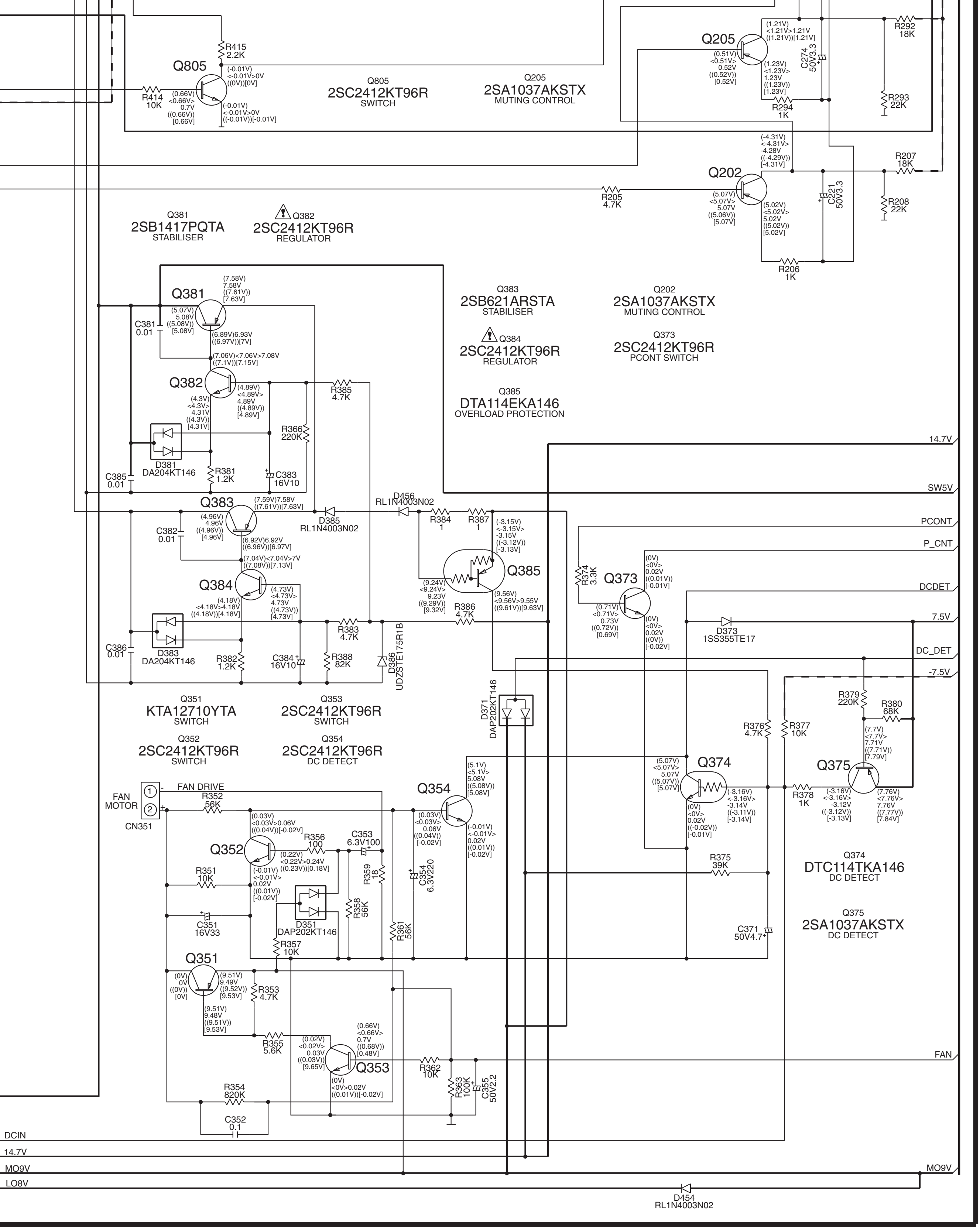
C MAIN CIRCUIT


IC205
M62444FPE1
4-CH
ELECTRONIC VOLUME CONTROL
IC453
C2BBFD000308
DSP CONTROL
Q306
2SA1037AKSTX
MUTING CONTROL
X452
RSXY8M00D01T
D216
UDZSTE175R1B
L453
RLQB100JTD-D
SR
SL
CNT
SWO1
SR2
SL2
SWO2
CNT3
MUT_F
SW5V
DCIN
14.7V
MO9V
LO8V
EDA/NJ-DT
LEV1
LEV2
DRST1
DCS1
LA
CK
DO
C
B
A
DSP_RST
SER5
DSP_CK
SER6
DSP_ACK
SENSE
DSP_LA
SER8
EDA/INJ-DT
ECK/INJ-CK
NJ-ST
AVDD
LCH
RCH
CCH
SWCH
GND1
GND2
GND3
DGND
DATA
LATCH
CLOCK
DVDD
AVSS
PORT1
PORT2
PORT3
PORT4
PORT5
PORT6
OUT PUT PORT
VSS
XOUT
XIN
REST
ECS
SW1
GND
SW2
SW3
DDI
DDO
DCK
DACK
SENSE
DCS
EDA/NJ-DT
ECK/NJ-CK
NJ-ST
AVSS
VREF
VCC
EXP18
EXP17
EXP16
EXP15
VR-ATT
MUTSW
MUTS
MUTA
EXP27
RST1
CS1
RST2
LA
CK
DO
EXP26
EXP25
INH
EXP23
EXP22
EXP21
R880 100K
R876 1.8
C874 10V33
R874 1K
R875 3.9K
C877 0.1
C875 50V0.15
C878 50V1
R873 12K
C872 100P
C876 16V10
C871 50V3.3
R871 10K
C870 50V1P
C867 10V33
R869 1K
R866 12K
C864 100P
R870 3.9K
C868 50V0.15
C869 16V10
C865 50V3.3
R867 10K
C863 0.01
R865 22K
C850 50V1
R851 12K
C851 16V10
C853 220P
C852 16V10
R850 1K
C854 16V10
R852 1.2K
C855 50V1
R853 12K
C856 16V10
C858 220P
C857 16V10
R854 3.3K
C859 50V2.2
C860 47P
C861 47P
R856 390
R857 2.2K
R858 2.2K
R859 4.7K
R855 1.2K
C862 0.1
R860 6.8K
R862 22K
R887 22K
R888 22K
R477 220
R401 100K
C401 0.022
R478 680
R476 1K
R475 10K
R474 220
R473 220
R427 1K
R431 1K
R494 1K
R499 1K
R498 1K
C462 0.01
C463 6.3V47
C232 1000P
R479 4.7K
C461 0.01
R480 100K
R433 330
R434 330
R439 4.7K
R438 4.7K
R437 4.7K
R435 330
R436 4.7K
R432 1.5K
C332 10V10
R390 47K
R336 15K

SCHEMATIC DIAGRAM - 26

—— : +B SIGNAL LINE   – – : -B SIGNAL LINE

C MAIN CIRCUIT

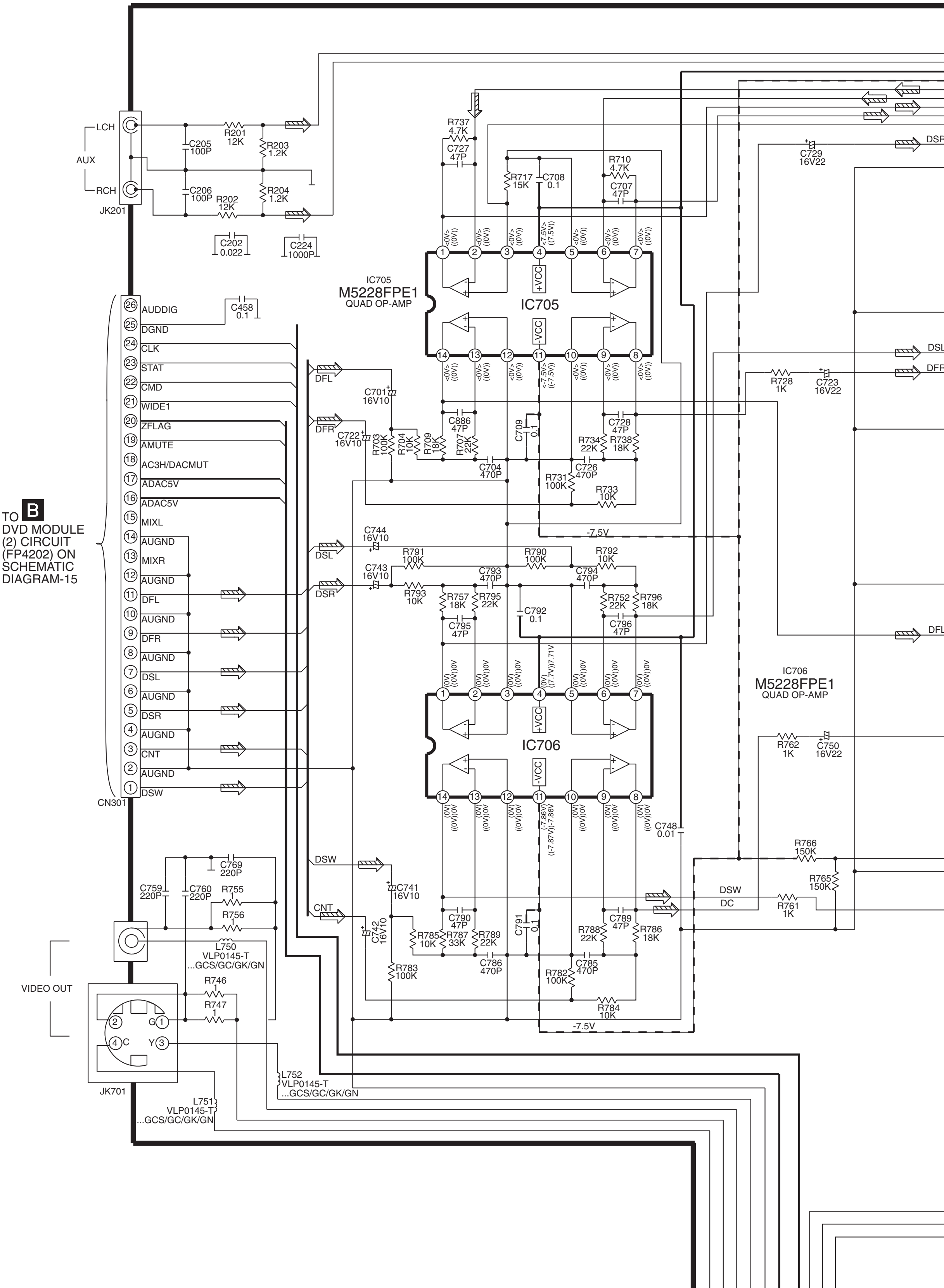


Q805
2SC2412KT96R
SWITCH
Q205
2SA1037AKSTX
MUTING CONTROL
Q381
2SB1417PQTA
STABILISER
Q382
2SC2412KT96R
REGULATOR
Q383
2SB621ARSTA
STABILISER
Q202
2SA1037AKSTX
MUTING CONTROL
Q384
2SC2412KT96R
REGULATOR
Q373
2SC2412KT96R
PCONT SWITCH
Q385
DTA114EKA146
OVERLOAD PROTECTION
Q351
KTA12710YTA
SWITCH
Q353
2SC2412KT96R
SWITCH
Q352
2SC2412KT96R
SWITCH
Q354
2SC2412KT96R
DC DETECT
Q374
DTC114TKA146
DC DETECT
Q375
2SA1037AKSTX
DC DETECT
R415 2.2K
R414 10K
R292 18K
R293 22K
R294 1K
C274 50V3.3
R207 18K
R205 4.7K
R208 22K
C221 50V3.3
R206 1K
C381 0.01
R385 4.7K
R366 220K
D381 DA204KT146
C385 0.01
R381 1.2K
C383 16V10
D456 RL1N4003N02
D385 RL1N4003N02
C382 0.01
R384 1
R387 1
R374 3.3K
R386 4.7K
R383 4.7K
C386 0.01
D383 DA204KT146
R382 1.2K
C384 16V10
R388 82K
D386 UDZSTE175R1B
D373 1SS355TE17
D371 DAP202KT146
R379 220K
R380 68K
R376 4.7K
R377 10K
R378 1K
R375 39K
C371 50V4.7
FAN MOTOR
CN351
FAN DRIVE
R352 56K
R356 100
C353 6.3V100
R359 18
C354 6.3V220
R351 10K
C351 16V33
D351 DAP202KT146
R358 56K
R361 56K
R357 10K
R353 4.7K
R355 5.6K
R362 10K
R363 100K
C355 50V2.2
R354 820K
C352 0.1
D454 RL1N4003N02
14.7V
SW5V
PCONT
P_CNT
DCDET
7.5V
DC_DET
-7.5V
FAN
DCIN
14.7V
MO9V
LO8V
MO9V

SCHEMATIC DIAGRAM - 16

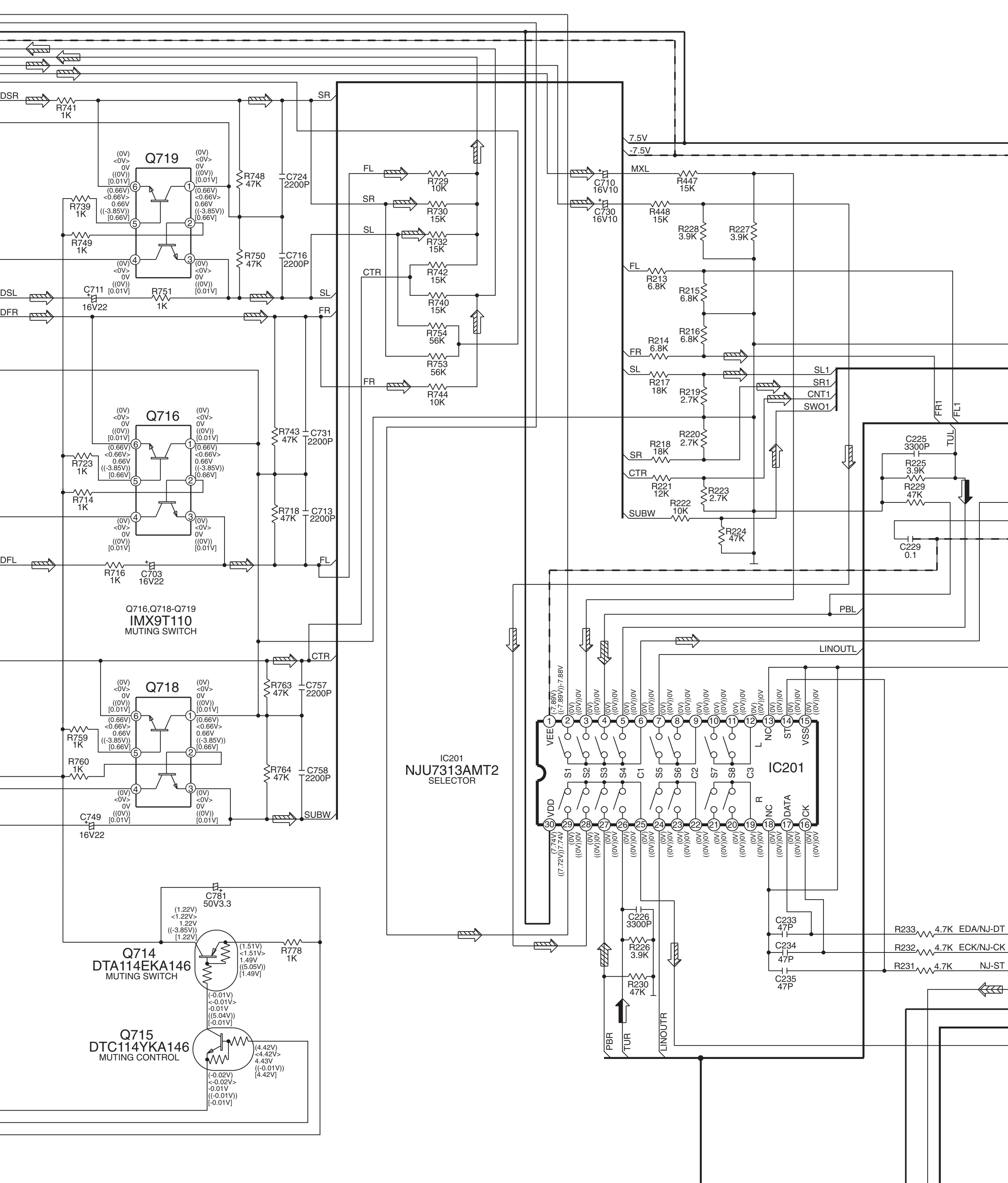
—— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

C MAIN CIRCUIT


AUX
LCH
RCH
JK201
R201 12K
R202 12K
R203 1.2K
R204 1.2K
C205 100P
C206 100P
C202 0.022
C224 1000P
R737 4.7K
C727 47P
R717 15K
C708 0.1
R710 4.7K
C707 47P
IC705
M5228FPE1
QUAD OP-AMP
IC705
+VCC
-VCC
<0V> ((0V))
<7.5V> ((7.5V))
<-7.5V> ((-7.5V))
C729 16V22
DSR
DSL
DFR
R728 1K
C723 16V22
TO B
DVD MODULE
(2) CIRCUIT
(FP4202) ON
SCHEMATIC
DIAGRAM-15
CN301
26 AUDDIG
25 DGND
24 CLK
23 STAT
22 CMD
21 WIDE1
20 ZFLAG
19 AMUTE
18 AC3H/DACMUT
17 ADAC5V
16 ADAC5V
15 MIXL
14 AUGND
13 MIXR
12 AUGND
11 DFL
10 AUGND
9 DFR
8 AUGND
7 DSL
6 AUGND
5 DSR
4 AUGND
3 CNT
2 AUGND
1 DSW
C458 0.1
DFL
DFR
C701 16V10
C722 16V10
R703 100K
R704 10K
R709 18K
R707 22K
C886 47P
C704 470P
C709 0.1
C728 47P
R734 22K
R738 18K
C726 470P
R731 100K
R733 10K
-7.5V
DSL
DSR
C744 16V10
C743 16V10
R791 100K
R793 10K
R790 100K
R792 10K
C793 470P
C794 470P
R757 18K
R795 22K
C792 0.1
R752 22K
R796 18K
C795 47P
C796 47P
DFL
(0V) ((0V))0V
(0V) ((7.7V))7.71V
IC706
M5228FPE1
QUAD OP-AMP
IC706
+VCC
-VCC
R762 1K
C750 16V22
(-7.86V) ((-7.87V))-7.86V
C748 0.01
R766 150K
R765 150K
DSW
DC
R761 1K
C769 220P
C759 220P
C760 220P
R755 1
R756 1
L750
VLP0145-T
...GCS/GC/GK/GN
DSW
CNT
C741 16V10
C742 16V10
R785 10K
R787 33K
C790 47P
R789 22K
C786 470P
C791 0.1
C789 47P
R788 22K
R786 18K
C785 470P
R782 100K
R784 10K
R783 100K
-7.5V
VIDEO OUT
R746 1
R747 1
G
C
Y
JK701
L752
VLP0145-T
...GCS/GC/GK/GN
L751
VLP0145-T
...GCS/GC/GK/GN

— : +B SIGNAL LINE
- - : -B SIGNAL LINE
⇨ : MAIN SIGNAL LINE
➡ : FM/AM SIGNAL LINE
⇨ : MIC SIGNAL LINE
▨ : PLAYBACK SIGNAL LINE

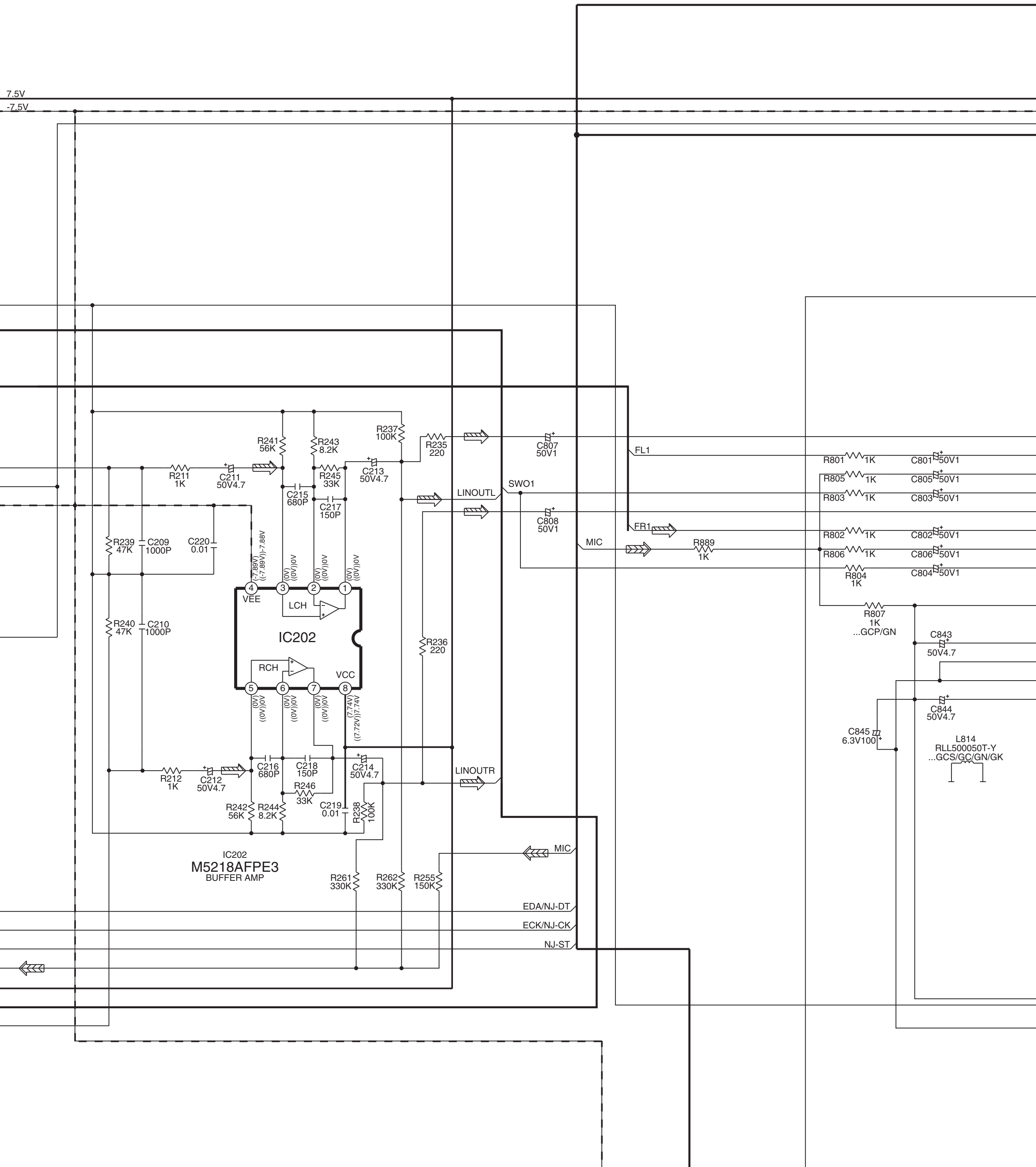
C MAIN CIRCUIT


DSR
R741 1K
SR
Q719
R739 1K
R749 1K
R748 47K
C724 2200P
R750 47K
C716 2200P
DSL
C711 16V22
R751 1K
SL
DFR
FR
Q716
R723 1K
R714 1K
R743 47K
C731 2200P
R718 47K
C713 2200P
DFL
R716 1K
C703 16V22
FL
Q716,Q718-Q719
IMX9T110
MUTING SWITCH
Q718
R759 1K
R760 1K
R763 47K
C757 2200P
R764 47K
C758 2200P
CTR
SUBW
C749 16V22
C781 50V3.3
Q714
DTA114EKA146
MUTING SWITCH
R778 1K
Q715
DTC114YKA146
MUTING CONTROL
FL
R729 10K
SR
R730 15K
SL
R732 15K
CTR
R742 15K
R740 15K
R754 56K
R753 56K
FR
R744 10K
IC201
NJU7313AMT2
SELECTOR
7.5V
-7.5V
MXL
C710 16V10
C730 16V10
R447 15K
R448 15K
R228 3.9K
R227 3.9K
FL
R213 6.8K
R215 6.8K
R216 6.8K
FR
R214 6.8K
SL
R217 18K
R219 2.7K
SL1
SR1
CNT1
SWO1
R220 2.7K
SR
R218 18K
CTR
R221 12K
R223 2.7K
SUBW
R222 10K
R224 47K
FR1
FL1
TUL
C225 3300P
R225 3.9K
R229 47K
C229 0.1
PBL
LINOUTL
VEE
VDD
S1 S2 S3 S4 C1 S5 S6 C2 S7 S8 C3
L
R
NC
ST
VSS
DATA
CK
IC201
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
30 29 28 27 26 25 24 23 22 21 20 19 18 17 16
(-7.89V) ((-7.89V))-7.88V
(7.74V) ((7.72V))7.74V
C226 3300P
R226 3.9K
R230 47K
C233 47P
C234 47P
C235 47P
R233 4.7K EDA/NJ-DT
R232 4.7K ECK/NJ-CK
R231 4.7K NJ-ST
PBR
TUR
LINOUTR

SCHEMATIC DIAGRAM - 18

—— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE ⇨ : MIC SIGNAL LINE

C MAIN CIRCUIT



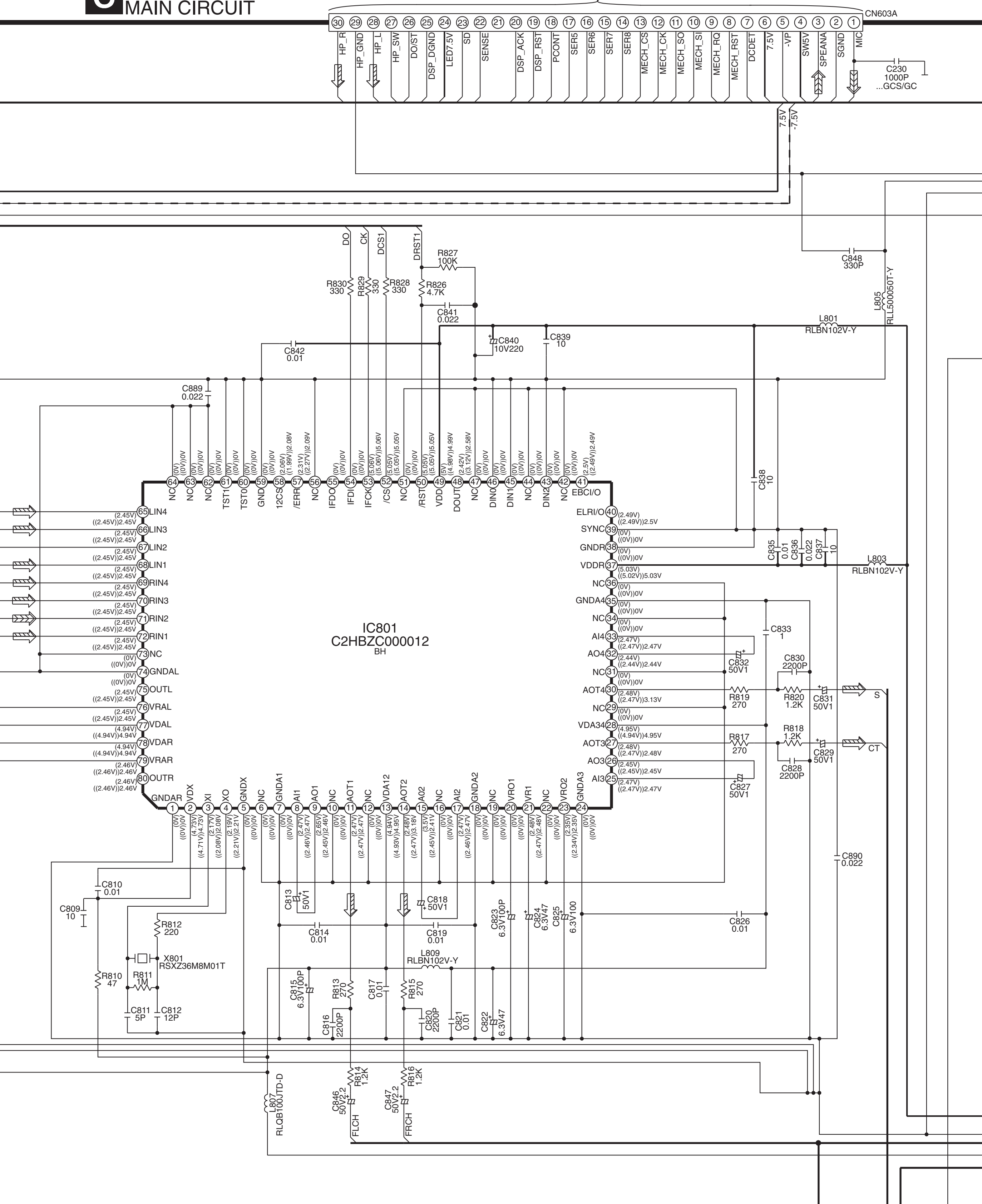
7.5V
-7.5V
R241
56K
R243
8.2K
R237
100K
R235
220
C807
50V1
FL1
R801
1K
C801
50V1
R805
1K
C805
50V1
R803
1K
C803
50V1
R211
1K
C211
50V4.7
R245
33K
C213
50V4.7
C215
680P
C217
150P
LINOUTL
SWO1
C808
50V1
FR1
R802
1K
C802
50V1
MIC
R889
1K
R806
1K
C806
50V1
R804
1K
C804
50V1
R239
47K
C209
1000P
C220
0.01
(-7.89V)
((-7.89V))-7.88V
(0V)
((0V))0V
VEE
LCH
IC202
RCH
VCC
R240
47K
C210
1000P
R236
220
R807
1K
...GCP/GN
C843
50V4.7
C844
50V4.7
C845
6.3V100
L814
RLL500050T-Y
...GCS/GC/GN/GK
(7.74V)
((7.72V))7.74V
C216
680P
C218
150P
C214
50V4.7
LINOUTR
R212
1K
C212
50V4.7
R246
33K
C219
0.01
R238
100K
R242
56K
R244
8.2K
IC202
M5218AFPE3
BUFFER AMP
MIC
R261
330K
R262
330K
R255
150K
EDA/NJ-DT
ECK/NJ-CK
NJ-ST

SCHEMATIC DIAGRAM - 19

—— : +B SIGNAL LINE
– – : -B SIGNAL LINE
⇛ : MIC SIGNAL LINE
⇛ : MAIN SIGNAL LINE

TO D
PANEL CIRCUIT (CN601)
ON SCHEMATIC DIAGRAM-28

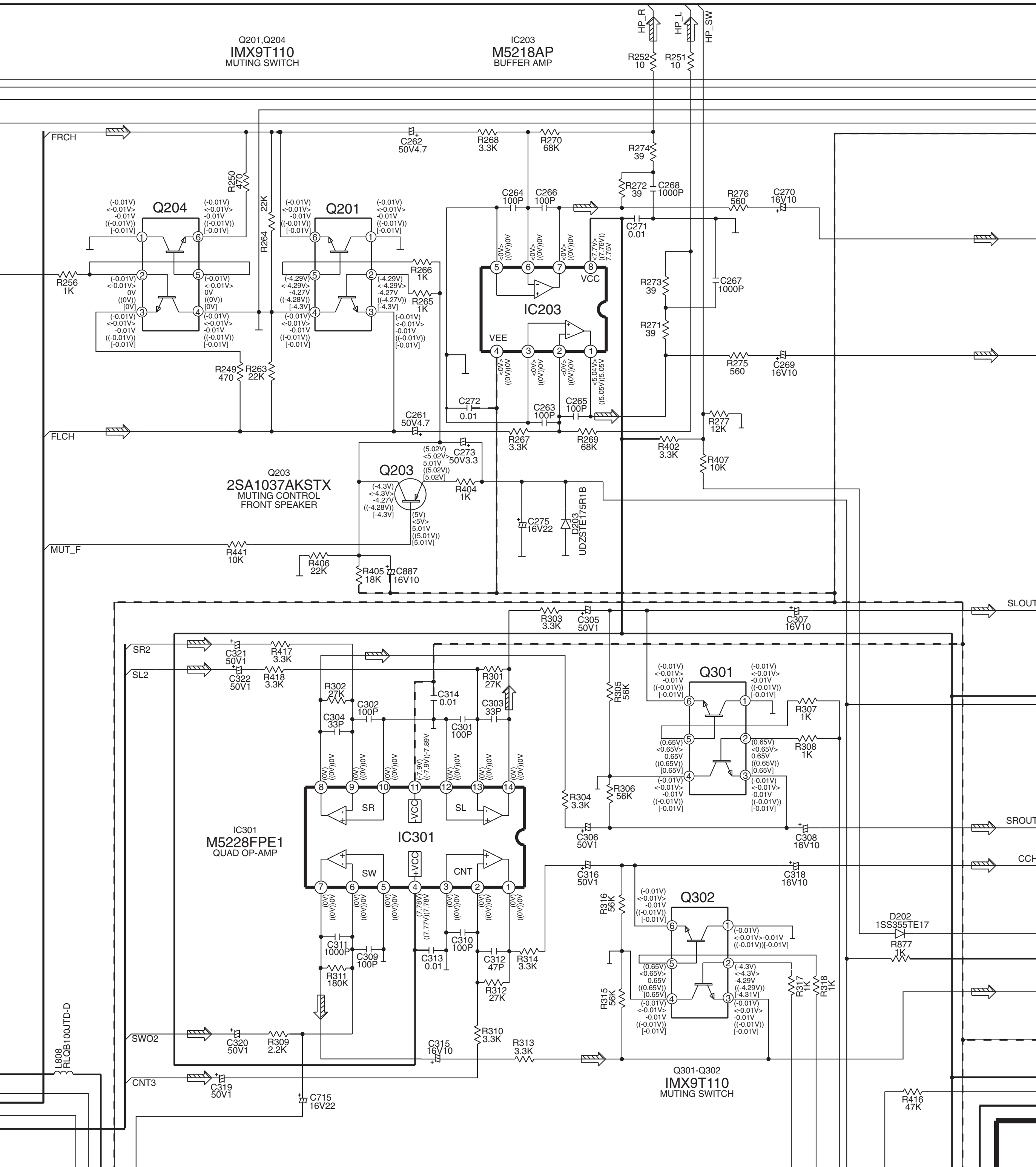
C MAIN CIRCUIT


CN603A
30 HP_R
29 HP_GND
28 HP_L
27 HP_SW
26 DO/ST
25 DSP_DGND
24 LED7.5V
23 SD
22 SENSE
21
20 DSP_ACK
19 DSP_RST
18 PCONT
17 SER5
16 SER6
15 SER7
14 SER8
13 MECH_CS
12 MECH_CK
11 MECH_SO
10 MECH_SI
9 MECH_RQ
8 MECH_RST
7 DCDET
6 7.5V
5 -VP
4 SW5V
3 SPEANA
2 SGND
1 MIC
C230
1000P
...GCS/GC
7.5V
-7.5V
DO
CK
DCS1
DRST1
R827
100K
R830
330
R829
330
R828
330
R826
4.7K
C841
0.022
C840
10V220
C839
10
C842
0.01
C889
0.022
C848
330P
L805
RLL500050T-Y
L801
RLBN102V-Y
C838
10
C835
0.01
C836
0.022
C837
10
L803
RLBN102V-Y
IC801
C2HBZC000012
BH
64 NC
63 NC
62 NC
61 TST1
60 TST0
59 GND
58 12CS
57 /ERR
56 NC
55 IFDO
54 IFDI
53 IFCK
52 /CS
51 NC
50 /RST
49 VDD
48 DOUT
47 NC
46 DIN0
45 DIN1
44 NC
43 DIN2
42 NC
41 EBCI/O
40 ELRI/O
39 SYNC
38 GNDR
37 VDDR
36 NC
35 GNDA4
34 NC
33 AI4
32 AO4
31 NC
30 AOT4
29 NC
28 VDA34
27 AOT3
26 AO3
25 AI3
65 LIN4
66 LIN3
67 LIN2
68 LIN1
69 RIN4
70 RIN3
71 RIN2
72 RIN1
73 NC
74 GNDAL
75 OUTL
76 VRAL
77 VDAL
78 VDAR
79 VRAR
80 OUTR
GNDAR
1
2 VDX
3 XI
4 XO
5 GNDX
6 NC
7 GNDA1
8 AI1
9 AO1
10 NC
11 AOT1
12 NC
13 VDA12
14 AOT2
15 AO2
16 NC
17 AI2
18 GNDA2
19 NC
20 VRO1
21 VR1
22 NC
23 VRO2
24 GNDA3
C833
1
C832
50V1
C830
2200P
R819
270
R820
1.2K
C831
50V1
S
R818
1.2K
R817
270
C829
50V1
CT
C828
2200P
C827
50V1
C890
0.022
C810
0.01
C809
10
R812
220
X801
RSXZ36M8M01T
R810
47
R811
1M
C811
5P
C812
12P
C813
50V1
C814
0.01
C818
50V1
C819
0.01
L809
RLBN102V-Y
C823
6.3V100P
C824
6.3V47
C825
6.3V100
C826
0.01
C815
6.3V100P
R813
270
C817
0.01
R815
270
C816
2200P
C820
2200P
C821
0.01
C822
6.3V47
R814
1.2K
R816
1.2K
C846
50V2.2
C847
50V2.2
FLCH
FRCH
L807
RLQB100JTD-D

SCHEMATIC DIAGRAM - 20

—— : +B SIGNAL LINE　　– – : -B SIGNAL LINE　　⇨ : MAIN SIGNAL LINE

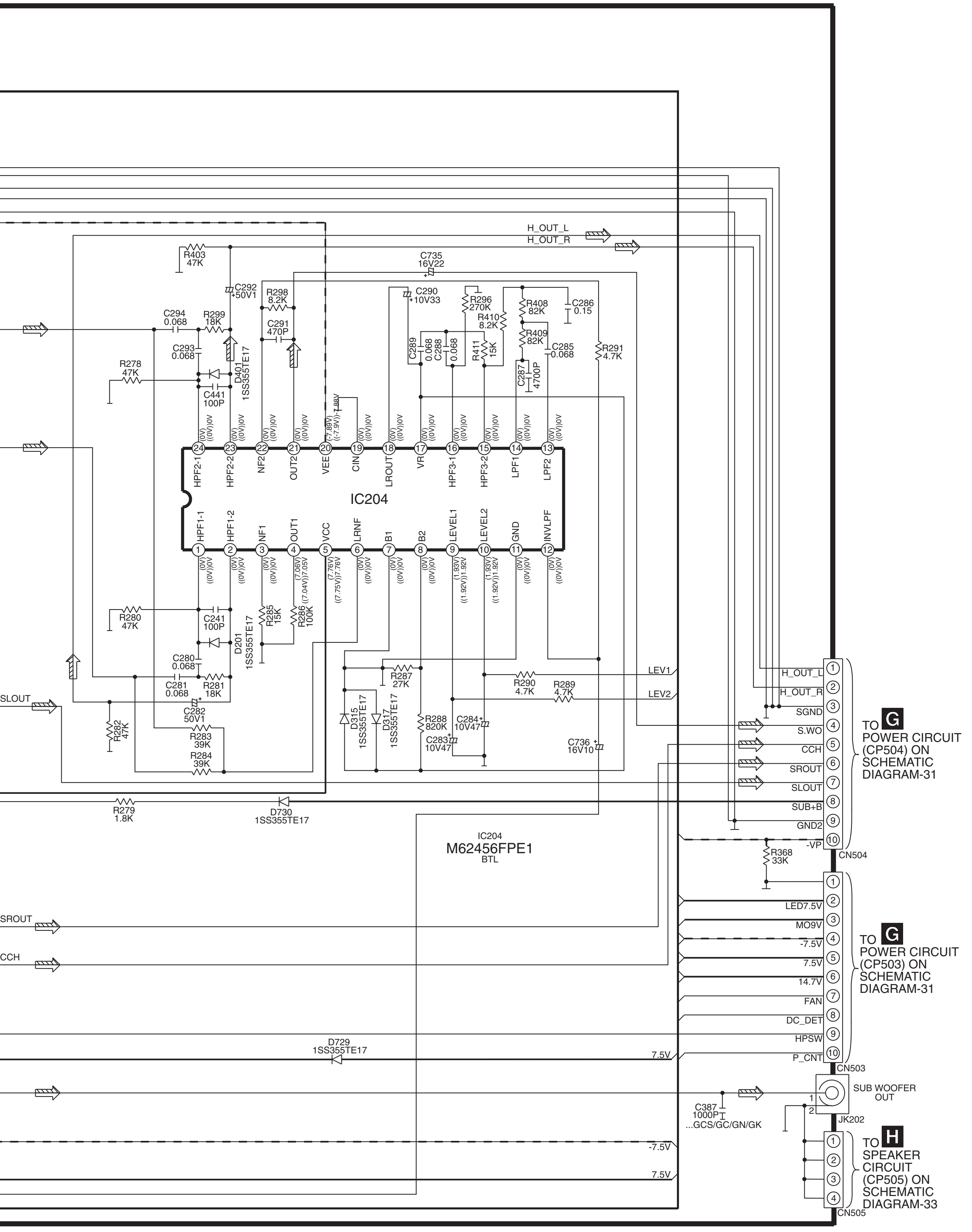
C MAIN CIRCUIT


Q201,Q204
IMX9T110
MUTING SWITCH
IC203
M5218AP
BUFFER AMP
HP_R
HP_L
HP_SW
R252 10
R251 10
FRCH
Q204
Q201
R250 470
R264 22K
C262 50V4.7
R268 3.3K
R270 68K
R274 39
R272 39
C268 1000P
C264 100P
C266 100P
C271 0.01
R276 560
C270 16V10
R256 1K
R266 1K
R265 1K
VCC
IC203
VEE
R273 39
C267 1000P
R271 39
R275 560
C269 16V10
R249 470
R263 22K
C272 0.01
C263 100P
C265 100P
R277 12K
FLCH
C261 50V4.7
R267 3.3K
R269 68K
R402 3.3K
R407 10K
C273 50V3.3
Q203
2SA1037AKSTX
MUTING CONTROL
FRONT SPEAKER
R404 1K
C275 16V22
D203 UDZSTE175R1B
MUT_F
R441 10K
R406 22K
R405 18K
C887 16V10
SLOUT
R303 3.3K
C305 50V1
C307 16V10
SR2
SL2
C321 50V1
R417 3.3K
C322 50V1
R418 3.3K
R302 27K
C304 33P
C302 100P
C314 0.01
C301 100P
R301 27K
C303 33P
Q301
R305 56K
R307 1K
R308 1K
SR
-VCC
SL
IC301
M5228FPE1
QUAD OP-AMP
IC301
R304 3.3K
R306 56K
C306 50V1
C308 16V10
SROUT
SW
+VCC
CNT
C316 50V1
C318 16V10
CCH
R316 56K
Q302
D202 1SS355TE17
R877 1K
C311 1000P
C309 100P
C310 100P
C313 0.01
C312 47P
R314 3.3K
R311 180K
R312 27K
R315 56K
R317 1K
R318 1K
SWO2
C320 50V1
R309 2.2K
R310 3.3K
C315 16V10
R313 3.3K
L808 RLQB100JTD-D
CNT3
C319 50V1
C715 16V22
Q301-Q302
IMX9T110
MUTING SWITCH
R416 47K

SCHEMATIC DIAGRAM - 21

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE

C MAIN CIRCUIT



IC204
HPF2-1
HPF2-2
NF2
OUT2
VEE
CIN
LROUT
VR
HPF3-1
HPF3-2
LPF1
LPF2
HPF1-1
HPF1-2
NF1
OUT1
VCC
LRNF
B1
B2
LEVEL1
LEVEL2
GND
INVLPF
H_OUT_L
H_OUT_R
C735 16V22
R403 47K
C292 50V1
R298 8.2K
C290 10V33
R296 270K
R410 8.2K
R408 82K
C286 0.15
C294 0.068
R299 18K
C291 470P
R409 82K
C285 0.068
R291 4.7K
C293 0.068
C289 0.068
C288 0.068
R411 15K
R278 47K
D401 1SS355TE17
C287 4700P
C441 100P
(-7.89V) ((-7.9V)) -7.88V
(7.06V) ((7.04V)) 7.05V
(7.76V) ((7.75V)) 7.76V
(1.93V) ((1.92V)) 1.92V
(0V) ((0V)) 0V
R280 47K
C241 100P
R285 15K
R286 100K
D201 1SS355TE17
C280 0.068
C281 0.068
R281 18K
C282 50V1
R283 39K
R284 39K
R282 47K
SLOUT
R287 27K
R290 4.7K
R289 4.7K
LEV1
LEV2
D315 1SS355TE17
D317 1SS355TE17
R288 820K
C284 10V47
C283 10V47
C736 16V10
R279 1.8K
D730 1SS355TE17
IC204
M62456FPE1
BTL
H_OUT_L
H_OUT_R
SGND
S.WO
CCH
SROUT
SLOUT
SUB+B
GND2
-VP
CN504
R368 33K
TO G POWER CIRCUIT (CP504) ON SCHEMATIC DIAGRAM-31
LED7.5V
MO9V
-7.5V
7.5V
14.7V
FAN
DC_DET
HPSW
P_CNT
CN503
TO G POWER CIRCUIT (CP503) ON SCHEMATIC DIAGRAM-31
SROUT
CCH
D729 1SS355TE17
7.5V
SUB WOOFER OUT
JK202
C387 1000P ...GCS/GC/GN/GK
-7.5V
7.5V
CN505
TO H SPEAKER CIRCUIT (CP505) ON SCHEMATIC DIAGRAM-33

SCHEMATIC DIAGRAM - 10

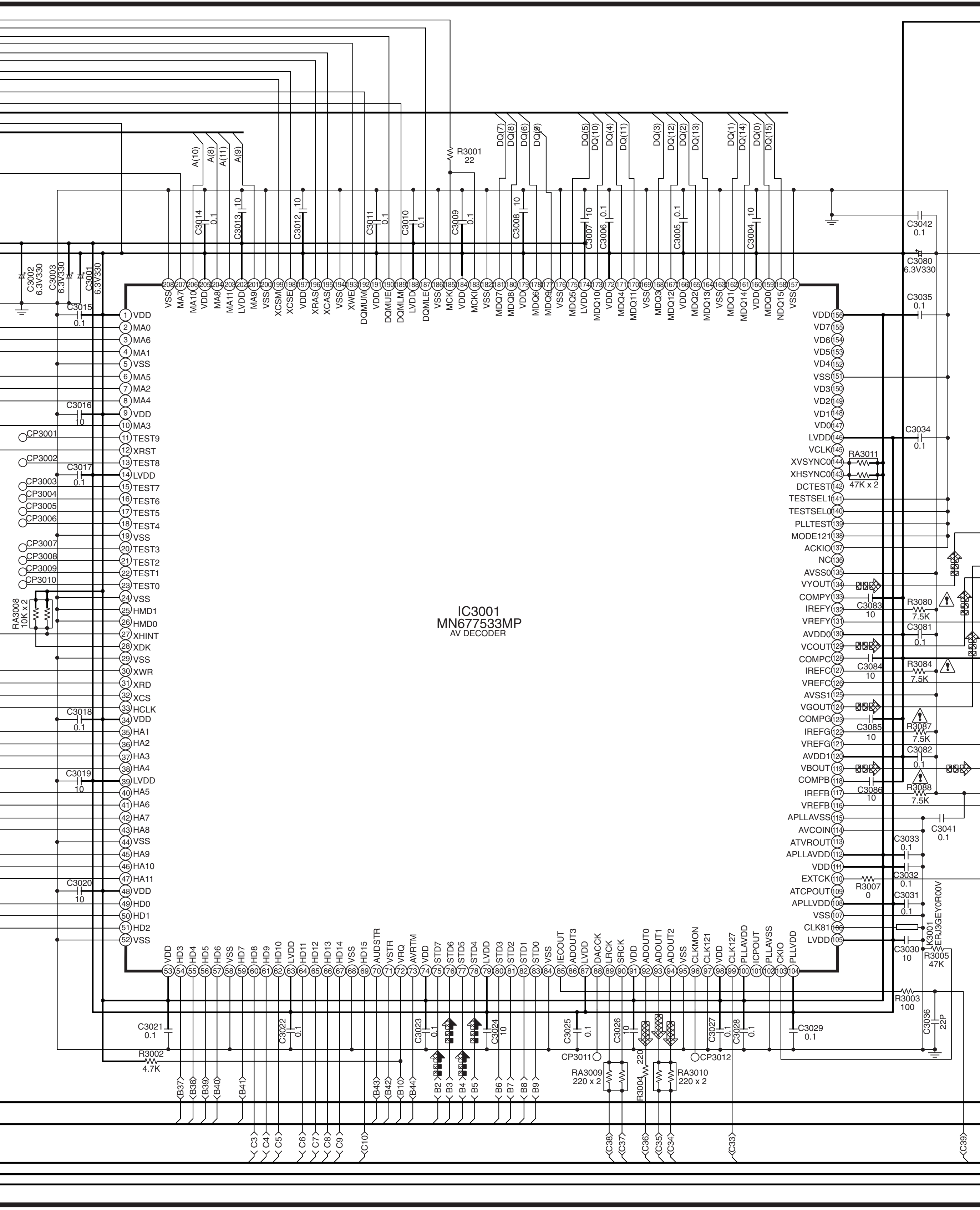
B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE

: DVD (AUDIO/VIDEO) SIGNAL LINE

: CD/DVD (AUDIO) SIGNAL LINE

: DVD (VIDEO) SIGNAL LINE

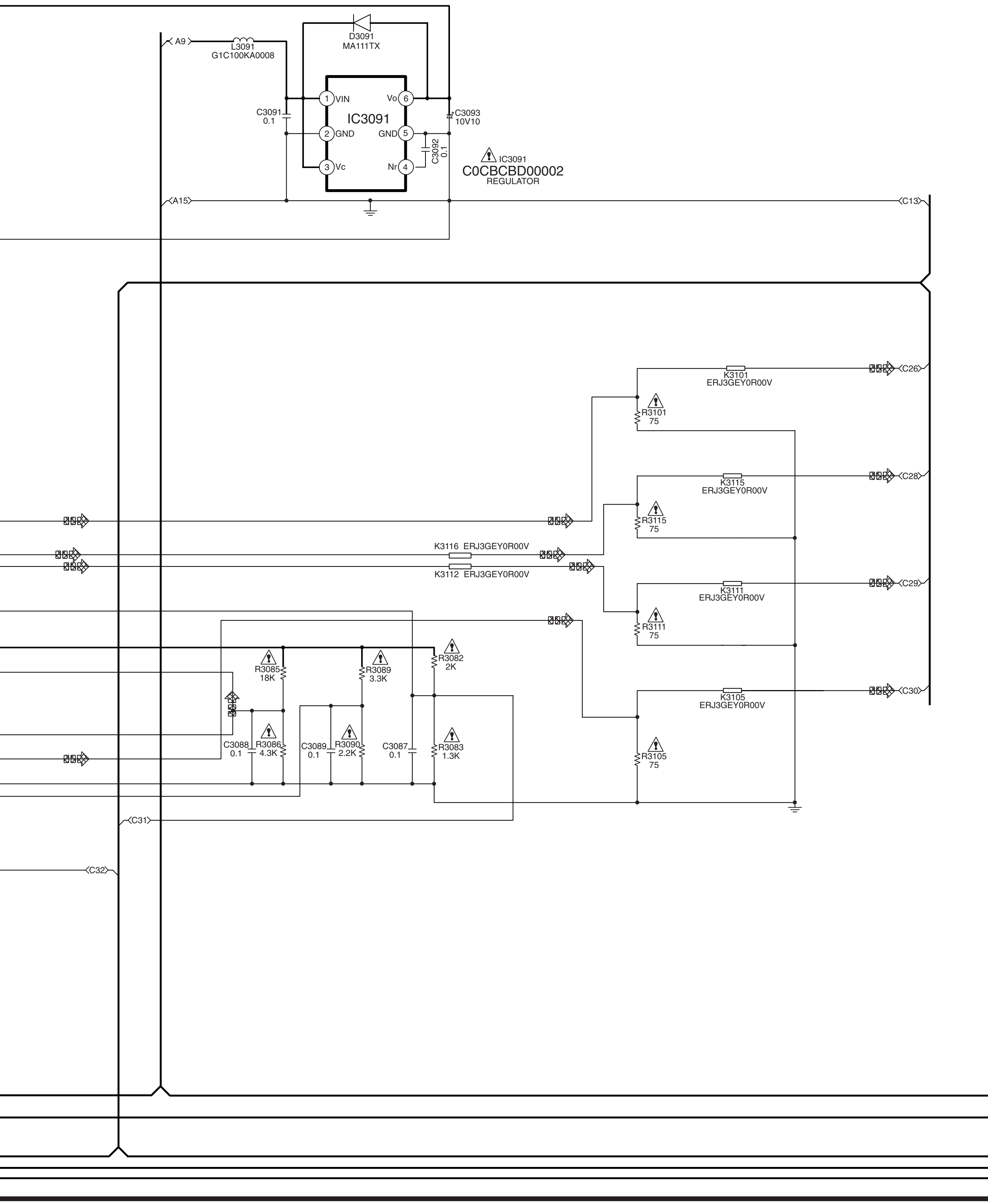

IC3001
MN677533MP
AV DECODER
R3001 22
A(10) A(8) A(11) A(9)
DQ(7) DQ(8) DQ(6) DQ(9)
DQ(5) DQ(10) DQ(4) DQ(11)
DQ(3) DQ(12) DQ(2) DQ(13)
DQ(1) DQ(14) DQ(0) DQ(15)
C3014 0.1
C3013 10
C3012 10
C3011 0.1
C3010 0.1
C3009 0.1
C3008 10
C3007 10
C3006 0.1
C3005 0.1
C3004 10
C3042 0.1
C3080 6.3V330
C3035 0.1
C3034 0.1
C3002 6.3V330
C3003 6.3V330
C3001 6.3V330
C3015 0.1
C3016 10
C3017 0.1
C3018 0.1
C3019 10
C3020 10
CP3001
CP3002
CP3003
CP3004
CP3005
CP3006
CP3007
CP3008
CP3009
CP3010
RA3008 10K x 2
RA3011 47K x 2
208 VSS
207 MA7
206 MA10
205 VDD
204 MA8
203 MA11
202 LVDD
201 MA9
200 VSS
199 XCSM
198 XCSE
197 VDD
196 XRAS
195 XCAS
194 VSS
193 XWE
192 DQMUM
191 VDD
190 DQMUE
189 DQMLM
188 LVDD
187 DQMLE
186 VSS
185 MCK
184 VDD
183 MCKI
182 VSS
181 MDQ7
180 MDQ8
179 VDD
178 MDQ6
177 MDQ9
176 VSS
175 MDQ5
174 LVDD
173 MDQ10
172 VDD
171 MDQ4
170 MDQ11
169 VSS
168 MDQ3
167 MDQ12
166 VDD
165 MDQ2
164 MDQ13
163 VSS
162 MDQ1
161 MDQ14
160 VDD
159 MDQ0
158 NDQ15
157 VSS
1 VDD
2 MA0
3 MA6
4 MA1
5 VSS
6 MA5
7 MA2
8 MA4
9 VDD
10 MA3
11 TEST9
12 XRST
13 TEST8
14 LVDD
15 TEST7
16 TEST6
17 TEST5
18 TEST4
19 VSS
20 TEST3
21 TEST2
22 TEST1
23 TEST0
24 VSS
25 HMD1
26 HMD0
27 XHINT
28 XDK
29 VSS
30 XWR
31 XRD
32 XCS
33 HCLK
34 VDD
35 HA1
36 HA2
37 HA3
38 HA4
39 LVDD
40 HA5
41 HA6
42 HA7
43 HA8
44 VSS
45 HA9
46 HA10
47 HA11
48 VDD
49 HD0
50 HD1
51 HD2
52 VSS
156 VDD
155 VD7
154 VD6
153 VD5
152 VD4
151 VSS
150 VD3
149 VD2
148 VD1
147 VD0
146 LVDD
145 VCLK
144 XVSYNC0
143 XHSYNC0
142 DCTEST
141 TESTSEL1
140 TESTSEL0
139 PLLTEST
138 MODE121
137 ACKIO
136 NC
135 AVSS0
134 VYOUT
133 COMPY
132 IREFY
131 VREFY
130 AVDD0
129 VCOUT
128 COMPC
127 IREFC
126 VREFC
125 AVSS1
124 VGOUT
123 COMPG
122 IREFG
121 VREFG
120 AVDD1
119 VBOUT
118 COMPB
117 IREFB
116 VREFB
115 APLLAVSS
114 AVCOIN
113 ATVROUT
112 APLLAVDD
111 VDD
110 EXTCK
109 ATCPOUT
108 APLLVDD
107 VSS
106 CLK81
105 LVDD
C3083 10
C3084 10
C3085 10
C3086 10
R3080 7.5K
R3084 7.5K
R3087 7.5K
R3088 7.5K
C3081 0.1
C3082 0.1
C3041 0.1
C3033 0.1
C3032 0.1
C3031 0.1
C3030 10
R3007 0
K3001 ERJ3GEY0R00V
R3005 47K
R3003 100
C3036 22P
53 VDD
54 HD3
55 HD4
56 HD5
57 HD6
58 VSS
59 HD7
60 HD8
61 HD9
62 HD10
63 LVDD
64 HD11
65 HD12
66 HD13
67 HD14
68 VSS
69 HD15
70 AUDSTR
71 VSTR
72 VRQ
73 AVRTM
74 VDD
75 STD7
76 STD6
77 STD5
78 STD4
79 LVDD
80 STD3
81 STD2
82 STD1
83 STD0
84 VSS
85 IECOUT
86 ADOUT3
87 LVDD
88 DACCK
89 LRCK
90 SRCK
91 VDD
92 ADOUT0
93 ADOUT1
94 ADOUT2
95 VSS
96 CLKMON
97 CLK121
98 VDD
99 CLK127
100 PLLAVDD
101 ICPOUT
102 PLLAVSS
103 CKIO
104 PLLVDD
C3021 0.1
R3002 4.7K
C3022 0.1
C3023 0.1
C3024 10
C3025 0.1
C3026 10
C3027 0.1
C3028 0.1
C3029 0.1
CP3011
CP3012
RA3009 220 x 2
R3004 220
RA3010 220 x 2
B37 B38 B39 B40 B41 B43 B42 B10 B44 B2 B3 B4 B5 B6 B7 B8 B9
C3 C4 C5 C6 C7 C8 C9 C10 C38 C37 C36 C35 C34 C33 C39

SCHEMATIC DIAGRAM - 11

B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE

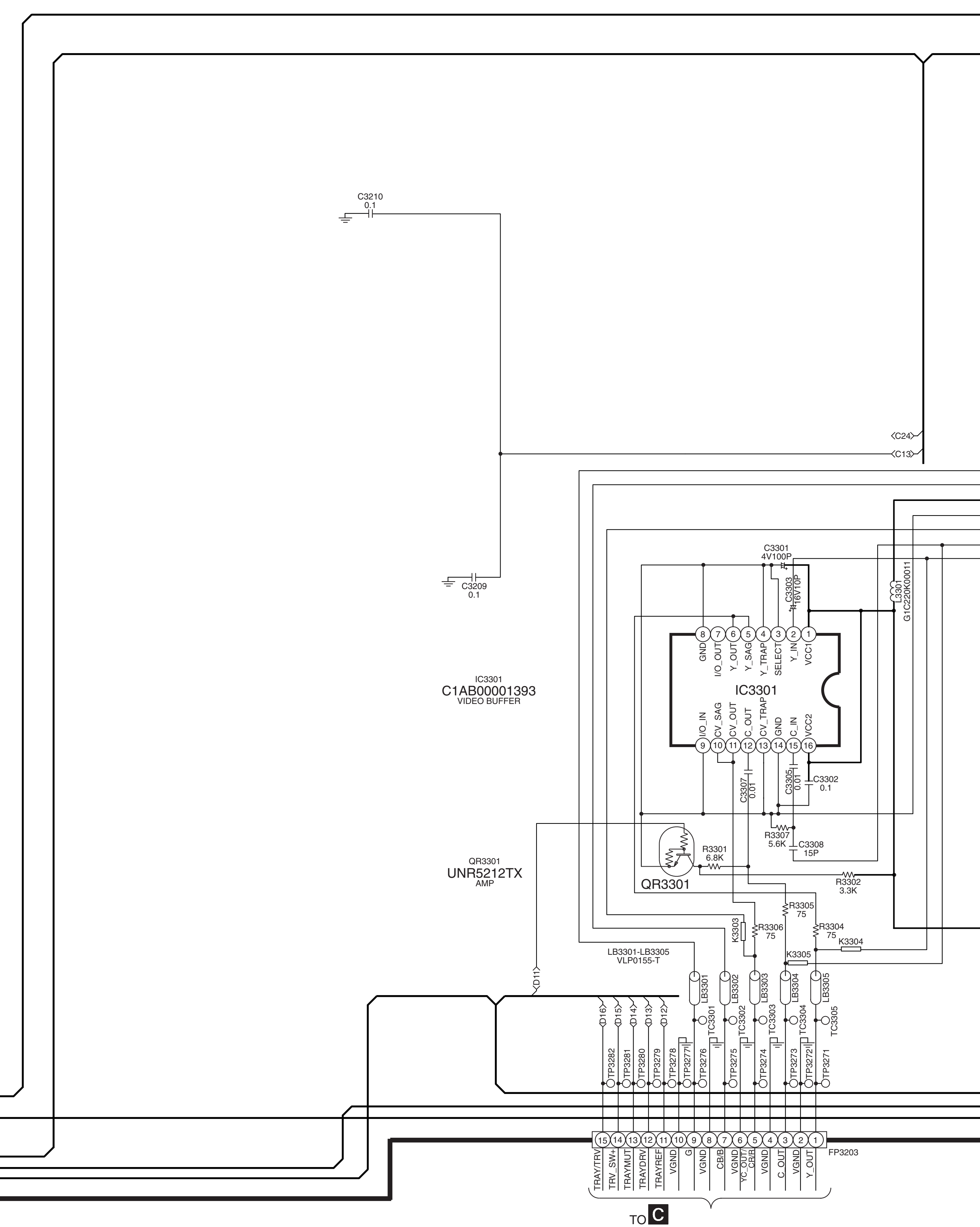
: DVD (VIDEO) SIGNAL LINE


A9
L3091
G1C100KA0008
D3091
MA111TX
1 VIN
Vo 6
IC3091
2 GND
GND 5
3 Vc
Nr 4
C3091
0.1
C3093
10V10
C3092
0.1
IC3091
C0CBCBD00002
REGULATOR
A15
C13
K3101
ERJ3GEY0R00V
C26
R3101
75
K3115
ERJ3GEY0R00V
C28
R3115
75
K3116 ERJ3GEY0R00V
K3112 ERJ3GEY0R00V
K3111
ERJ3GEY0R00V
C29
R3111
75
R3085
18K
R3089
3.3K
R3082
2K
K3105
ERJ3GEY0R00V
C30
C3088
0.1
R3086
4.3K
C3089
0.1
R3090
2.2K
C3087
0.1
R3083
1.3K
R3105
75
C31
C32

SCHEMATIC DIAGRAM - 12

B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE


C3210
0.1
C3209
0.1
C24
C13
C3301
4V100P
C3303
16V10P
L3301
G1C220K00011
IC3301
C1AB00001393
VIDEO BUFFER
GND
I/O_OUT
Y_OUT
Y_SAG
Y_TRAP
SELECT
Y_IN
VCC1
IC3301
I/O_IN
CV_SAG
CV_OUT
C_OUT
CV_TRAP
GND
C_IN
VCC2
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
C3307
0.01
C3305
0.01
C3302
0.1
R3307
5.6K
C3308
15P
QR3301
UNR5212TX
AMP
R3301
6.8K
QR3301
R3302
3.3K
R3305
75
R3306
75
K3303
R3304
75
K3304
K3305
LB3301-LB3305
VLP0155-T
D11
LB3301
LB3302
LB3303
LB3304
LB3305
D16
D15
D14
D13
D12
TC3301
TC3302
TC3303
TC3304
TC3305
TP3282
TP3281
TP3280
TP3279
TP3278
TP3277
TP3276
TP3275
TP3274
TP3273
TP3272
TP3271
FP3203
TRAY/TRV
TRV_SW+
TRAYMUT
TRAYDRV
TRAYREF
VGND
G
VGND
CB/B
VGND
YC_OUT/CR/R
VGND
C_OUT
VGND
Y_OUT

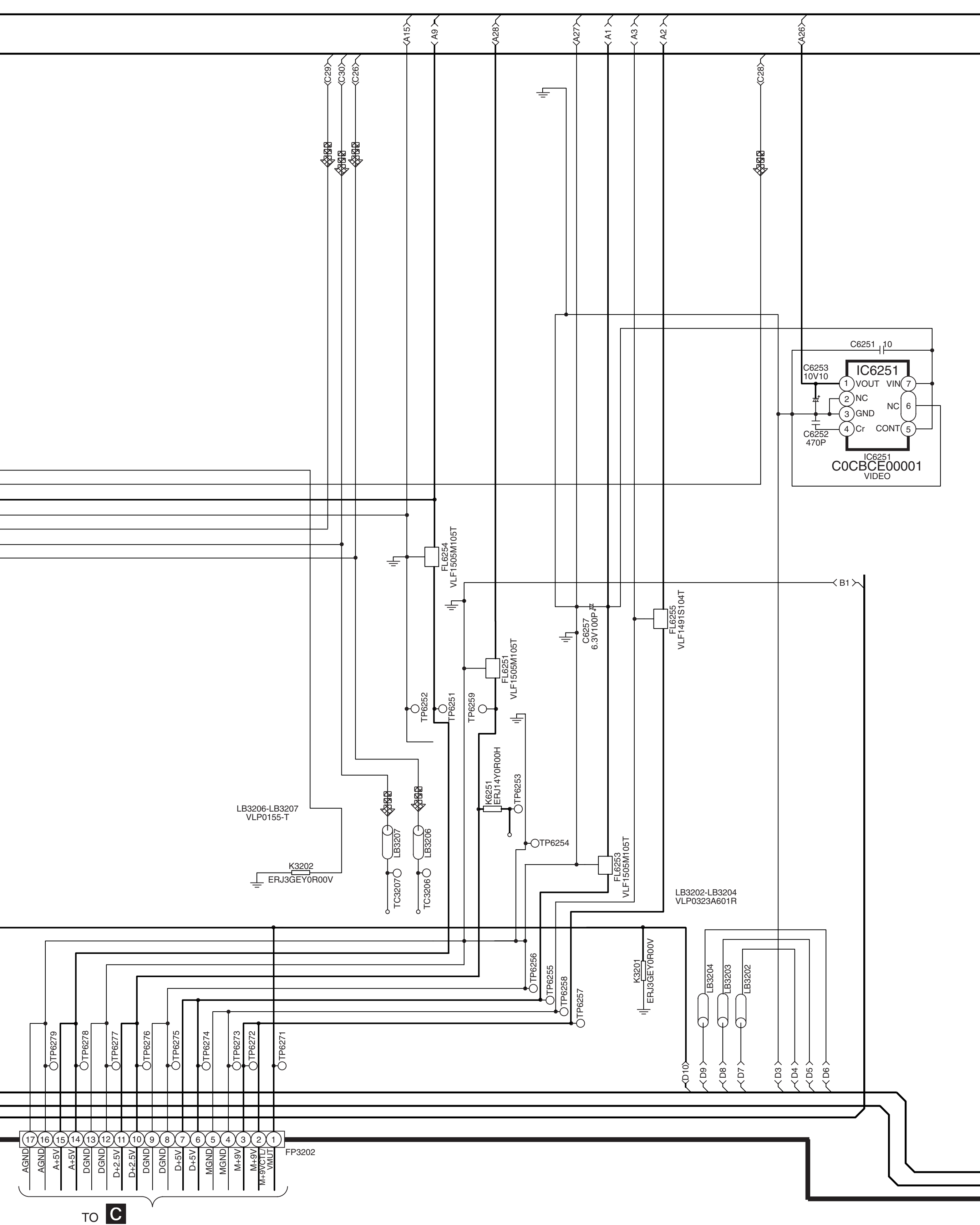
TO C
MAIN CIRCUIT (CN501) ON
SCHEMATIC DIAGRAM-22

SCHEMATIC DIAGRAM - 13

B DVD MODULE(2) CIRCUIT

—— : +B SIGNAL LINE

⧫ : DVD (VIDEO) SIGNAL LINE


A15
A9
A28
A27
A1
A3
A2
A26
C29
C30
C26
C28
C6251 10
C6253 10V10
IC6251
1 VOUT
VIN 7
2 NC
NC 6
3 GND
4 Cr
CONT 5
C6252 470P
IC6251
C0CBCE00001
VIDEO
FL6254 VLF1505M105T
B1
FL6255 VLF1491S104T
C6257 6.3V100P
FL6251 VLF1505M105T
TP6252
TP6251
TP6259
K6251 ERJ14Y0R00H
TP6253
TP6254
LB3206-LB3207 VLP0155-T
LB3207
LB3206
K3202 ERJ3GEY0R00V
TC3207
TC3206
FL6253 VLF1505M105T
LB3202-LB3204 VLP0323A601R
TP6256
TP6255
TP6258
TP6257
K3201 ERJ3GEY0R00V
LB3204
LB3203
LB3202
TP6279
TP6278
TP6277
TP6276
TP6275
TP6274
TP6273
TP6272
TP6271
D10
D9
D8
D7
D3
D4
D5
D6
17 AGND
16 AGND
15 A+5V
14 A+5V
13 DGND
12 DGND
11 D+2.5V
10 D+2.5V
9 DGND
8 DGND
7 D+5V
6 D+5V
5 MGND
4 MGND
3 M+9V
2 M+9V
1 M+9VCTL/VMUT
FP3202

TO C
MAIN CIRCUIT (CN302) ON
SCHEMATIC DIAGRAM-22

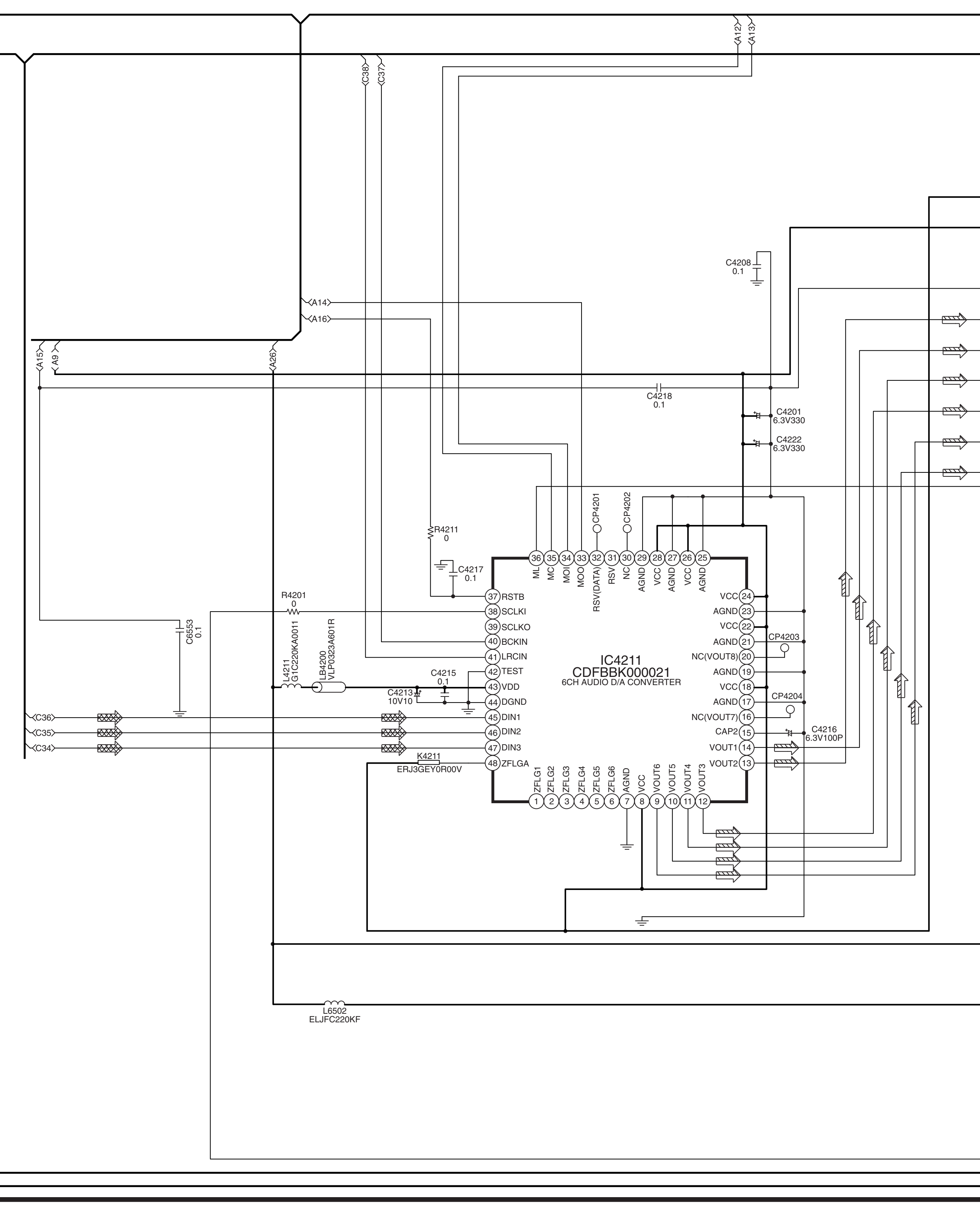
SCHEMATIC DIAGRAM - 14

B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE

▨ : CD/DVD (AUDIO) SIGNAL LINE

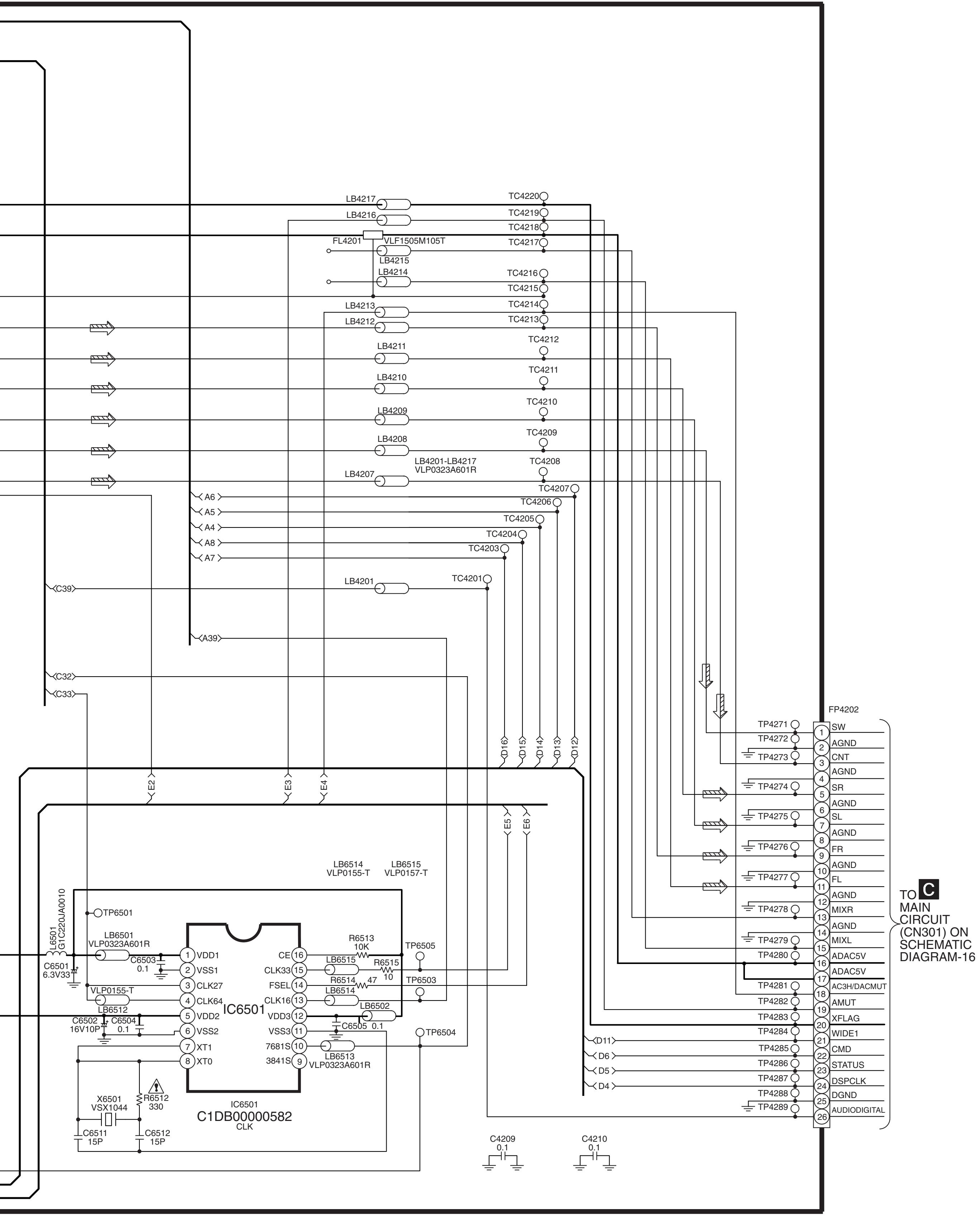
⇨ : MAIN SIGNAL LINE


A12
A13
C38
C37
A14
A16
A15
A9
A26
C4208
0.1
C4218
0.1
C4201
6.3V330
C4222
6.3V330
CP4201
CP4202
R4211
0
C4217
0.1
R4201
0
C6553
0.1
L4211
G1C220KA0011
LB4200
VLP0323A601R
C4215
0.1
C4213
10V10
K4211
ERJ3GEY0R00V
C36
C35
C34
IC4211
CDFBBK000021
6CH AUDIO D/A CONVERTER
1 ZFLG1
2 ZFLG2
3 ZFLG3
4 ZFLG4
5 ZFLG5
6 ZFLG6
7 AGND
8 VCC
9 VOUT6
10 VOUT5
11 VOUT4
12 VOUT3
13 VOUT2
14 VOUT1
15 CAP2
16 NC(VOUT7)
17 AGND
18 VCC
19 AGND
20 NC(VOUT8)
21 AGND
22 VCC
23 AGND
24 VCC
25 AGND
26 VCC
27 AGND
28 VCC
29 AGND
30 NC
31 RSV
32 RSV(DATA)
33 MOO
34 MOI
35 MC
36 ML
37 RSTB
38 SCLKI
39 SCLKO
40 BCKIN
41 LRCIN
42 TEST
43 VDD
44 DGND
45 DIN1
46 DIN2
47 DIN3
48 ZFLGA
CP4203
CP4204
C4216
6.3V100P
L6502
ELJFC220KF

SCHEMATIC DIAGRAM - 15

B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE　　: MAIN SIGNAL LINE

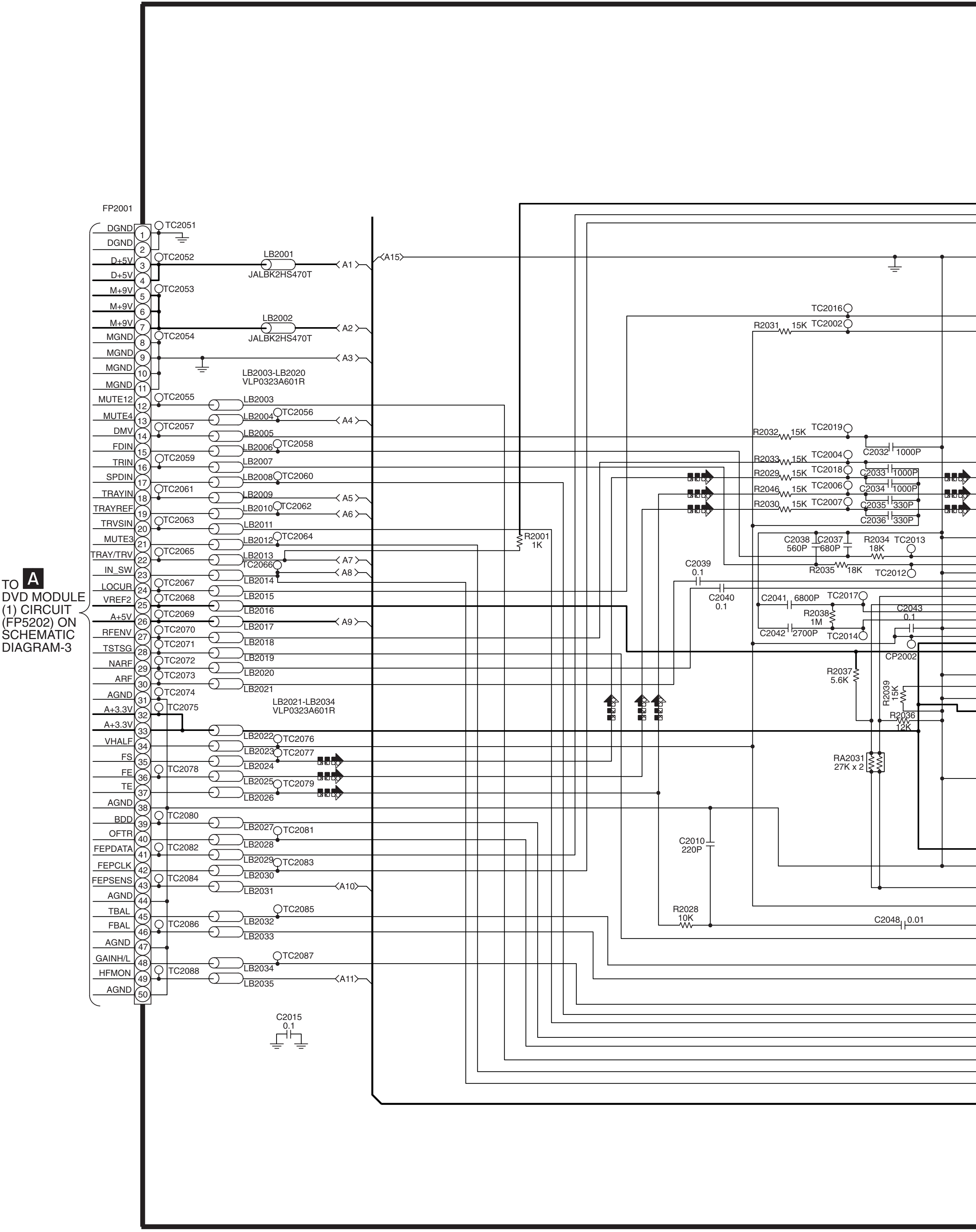

LB4217
LB4216
FL4201
VLF1505M105T
LB4215
LB4214
LB4213
LB4212
LB4211
LB4210
LB4209
LB4208
LB4207
LB4201-LB4217
VLP0323A601R
LB4201
TC4220
TC4219
TC4218
TC4217
TC4216
TC4215
TC4214
TC4213
TC4212
TC4211
TC4210
TC4209
TC4208
TC4207
TC4206
TC4205
TC4204
TC4203
TC4201
A6
A5
A4
A8
A7
C39
A39
C32
C33
D16
D15
D14
D13
D12
E2
E3
E4
E5
E6
D11
D6
D5
D4
FP4202
TP4271
TP4272
TP4273
TP4274
TP4275
TP4276
TP4277
TP4278
TP4279
TP4280
TP4281
TP4282
TP4283
TP4284
TP4285
TP4286
TP4287
TP4288
TP4289
1 SW
2 AGND
3 CNT
4 AGND
5 SR
6 AGND
7 SL
8 AGND
9 FR
10 AGND
11 FL
12 AGND
13 MIXR
14 AGND
15 MIXL
16 ADAC5V
17 ADAC5V
18 AC3H/DACMUT
19 AMUT
20 XFLAG
21 WIDE1
22 CMD
23 STATUS
24 DSPCLK
25 DGND
26 AUDIODIGITAL
TO C MAIN CIRCUIT (CN301) ON SCHEMATIC DIAGRAM-16
LB6514
VLP0155-T
LB6515
VLP0157-T
TP6501
L6501
G1C220JA0010
LB6501
VLP0323A601R
C6501
6.3V33
C6503
0.1
VLP0155-T
LB6512
C6502
16V10P
C6504
0.1
IC6501
1 VDD1
2 VSS1
3 CLK27
4 CLK64
5 VDD2
6 VSS2
7 XT1
8 XT0
16 CE
15 CLK33
14 FSEL
13 CLK16
12 VDD3
11 VSS3
10 7681S
9 3841S
R6513
10K
R6515
10
R6514
47
LB6515
LB6514
LB6502
C6505 0.1
LB6513
VLP0323A601R
TP6505
TP6503
TP6504
X6501
VSX1044
R6512
330
C6511
15P
C6512
15P
IC6501
C1DB00000582
CLK
C4209
0.1
C4210
0.1

SCHEMATIC DIAGRAM - 4

B DVD MODULE(2) CIRCUIT

—— : +B SIGNAL LINE

▨▨➡ : DVD (AUDIO/VIDEO) SIGNAL LINE



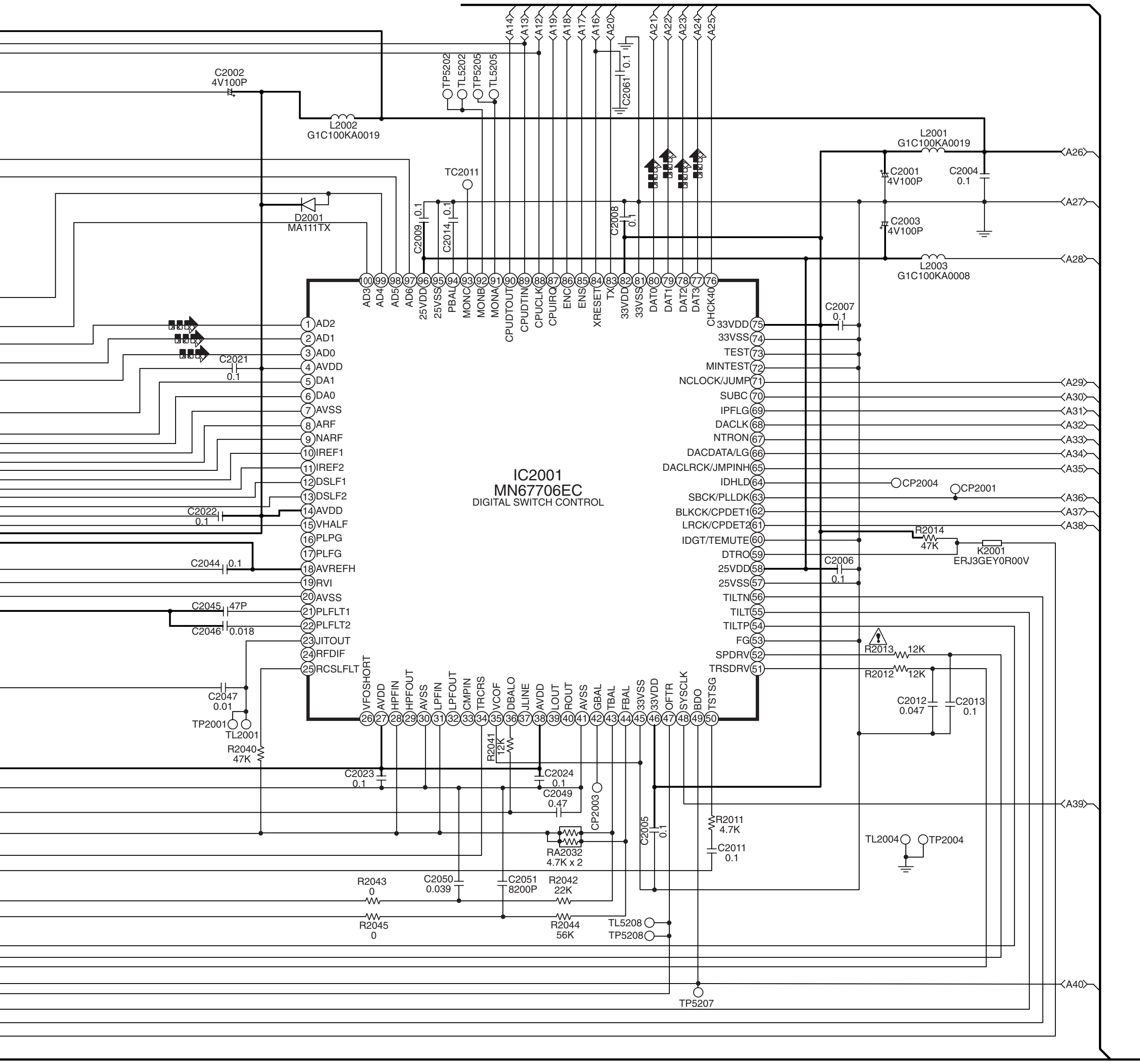
FP2001
DGND 1
DGND 2
D+5V 3
D+5V 4
M+9V 5
M+9V 6
M+9V 7
MGND 8
MGND 9
MGND 10
MGND 11
MUTE12 12
MUTE4 13
DMV 14
FDIN 15
TRIN 16
SPDIN 17
TRAYIN 18
TRAYREF 19
TRVSIN 20
MUTE3 21
TRAY/TRV 22
IN_SW 23
LOCUR 24
VREF2 25
A+5V 26
RFENV 27
TSTSG 28
NARF 29
ARF 30
AGND 31
A+3.3V 32
A+3.3V 33
VHALF 34
FS 35
FE 36
TE 37
AGND 38
BDD 39
OFTR 40
FEPDATA 41
FEPCLK 42
FEPSENS 43
AGND 44
TBAL 45
FBAL 46
AGND 47
GAINH/L 48
HFMON 49
AGND 50
TO A DVD MODULE (1) CIRCUIT (FP5202) ON SCHEMATIC DIAGRAM-3
TC2051
TC2052
TC2053
TC2054
TC2055
TC2056
TC2057
TC2058
TC2059
TC2060
TC2061
TC2062
TC2063
TC2064
TC2065
TC2066
TC2067
TC2068
TC2069
TC2070
TC2071
TC2072
TC2073
TC2074
TC2075
TC2076
TC2077
TC2078
TC2079
TC2080
TC2081
TC2082
TC2083
TC2084
TC2085
TC2086
TC2087
TC2088
LB2001
JALBK2HS470T
LB2002
JALBK2HS470T
LB2003-LB2020
VLP0323A601R
LB2003
LB2004
LB2005
LB2006
LB2007
LB2008
LB2009
LB2010
LB2011
LB2012
LB2013
LB2014
LB2015
LB2016
LB2017
LB2018
LB2019
LB2020
LB2021
LB2021-LB2034
VLP0323A601R
LB2022
LB2023
LB2024
LB2025
LB2026
LB2027
LB2028
LB2029
LB2030
LB2031
LB2032
LB2033
LB2034
LB2035
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A15
C2015
0.1
R2001
1K
TC2016
TC2002
R2031 15K
R2032 15K
TC2019
C2032 1000P
R2033 15K
TC2004
R2029 15K
TC2018
C2033 1000P
R2046 15K
TC2006
C2034 1000P
R2030 15K
TC2007
C2035 330P
C2036 330P
C2038 560P
C2037 680P
R2034 18K
TC2013
R2035 18K
TC2012
C2039 0.1
C2040 0.1
C2041 6800P
TC2017
R2038 1M
C2042 2700P
TC2014
C2043 0.1
CP2002
R2037 5.6K
R2039 15K
R2036 12K
RA2031 27K x 2
C2010 220P
R2028 10K
C2048 0.01

SCHEMATIC DIAGRAM - 5

B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE

: DVD (AUDIO/VIDEO) SIGNAL LINE

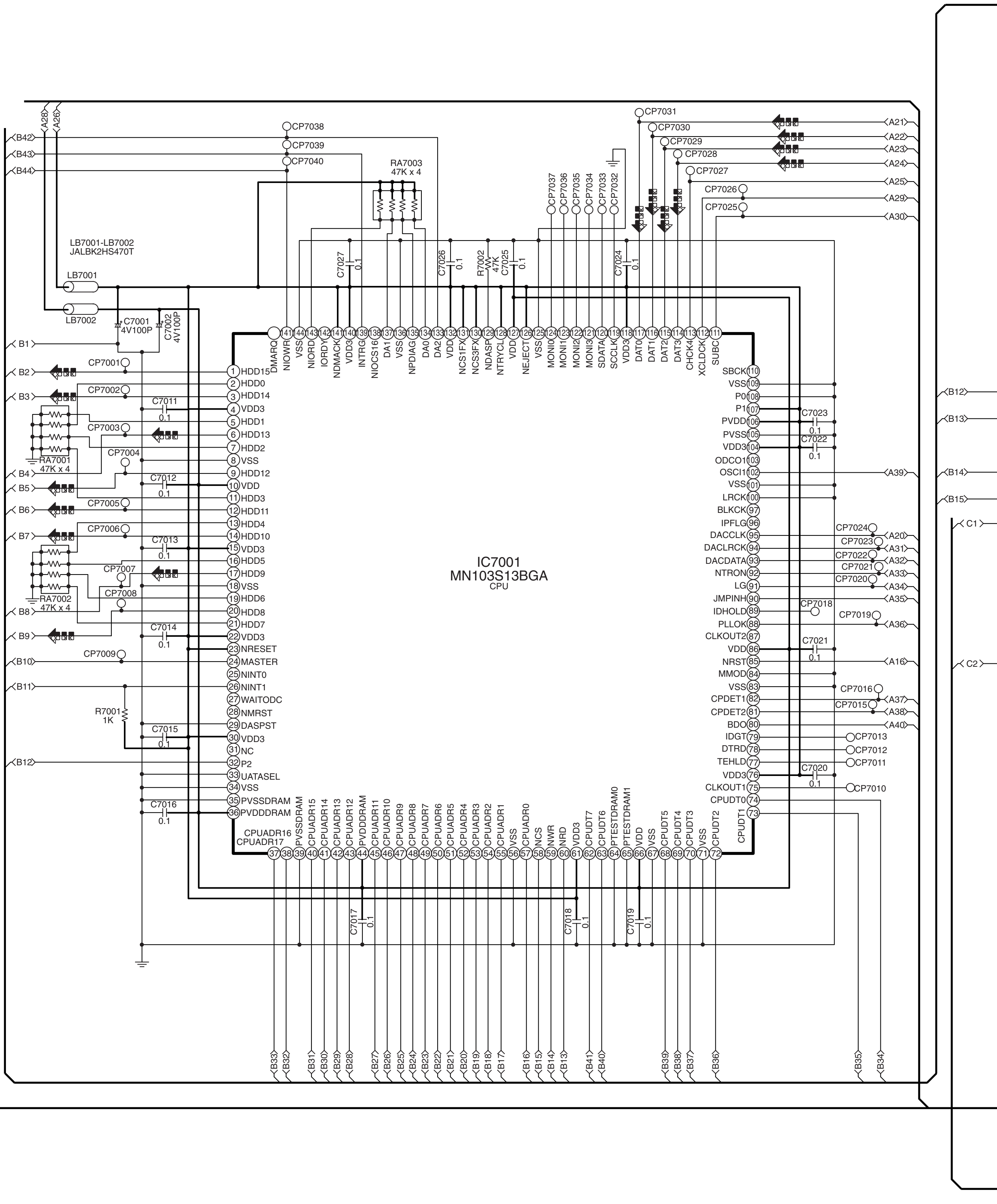

IC2001
MN67706EC
DIGITAL SWITCH CONTROL
1 AD2
2 AD1
3 AD0
4 AVDD
5 DA1
6 DA0
7 AVSS
8 ARF
9 NARF
10 IREF1
11 IREF2
12 DSLF1
13 DSLF2
14 AVDD
15 VHALF
16 PLPG
17 PLFG
18 AVREFH
19 RVI
20 AVSS
21 PLFLT1
22 PLFLT2
23 JITOUT
24 RFDIF
25 RCSLFLT
26 VFOSHORT
27 AVDD
28 HPFIN
29 HPFOUT
30 AVSS
31 LPFIN
32 LPFOUT
33 CMPIN
34 TRCRS
35 VCOF
36 DBALO
37 JLINE
38 AVDD
39 LOUT
40 ROUT
41 AVSS
42 GBAL
43 TBAL
44 FBAL
45 33VSS
46 33VDD
47 OFTR
48 SYSCLK
49 BDO
50 TSTSG
51 TRSDRV
52 SPDRV
53 FG
54 TILTP
55 TILT
56 TILTN
57 25VSS
58 25VDD
59 DTRO
60 IDGT/TEMUTE
61 LRCK/CPDET2
62 BLKCK/CPDET1
63 SBCK/PLLDK
64 IDHLD
65 DACLRCK/JMPINH
66 DACDATA/LG
67 NTRON
68 DACLK
69 IPFLG
70 SUBC
71 NCLOCK/JUMP
72 MINTEST
73 TEST
74 33VSS
75 33VDD
76 CHCK40
77 DAT3
78 DAT2
79 DAT1
80 DAT0
81 33VSS
82 33VDD
83 TX
84 XRESET
85 ENS
86 ENC
87 CPUIRQ
88 CPUCLK
89 CPUDTIN
90 CPUDTOUT
91 MONA
92 MONB
93 MONC
94 PBAL
95 25VSS
96 25VDD
97 AD6
98 AD5
99 AD4
100 AD3
A12
A13
A14
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
A32
A33
A34
A35
A36
A37
A38
A39
A40
C2002
4V100P
L2002
G1C100KA0019
D2001
MA111TX
TP5202
TL5202
TP5205
TL5205
TC2011
C2061
0.1
C2009
0.1
C2014
0.1
C2008
0.1
L2001
G1C100KA0019
C2001
4V100P
C2004
0.1
C2003
4V100P
L2003
G1C100KA0008
C2007
0.1
C2021
0.1
C2022
0.1
C2044
0.1
C2045
47P
C2046
0.018
C2047
0.01
TP2001
TL2001
R2040
47K
CP2004
CP2001
R2014
47K
K2001
ERJ3GEY0R00V
C2006
0.1
R2013
12K
R2012
12K
C2012
0.047
C2013
0.1
R2041
12K
C2023
0.1
C2024
0.1
C2049
0.47
CP2003
C2005
0.1
R2011
4.7K
C2011
0.1
RA2032
4.7K x 2
TL2004
TP2004
R2043
0
C2050
0.039
C2051
8200P
R2042
22K
R2045
0
R2044
56K
TL5208
TP5208
TP5207

SCHEMATIC DIAGRAM - 6

B DVD MODULE(2) CIRCUIT

——— : +B SIGNAL LINE

➡ : DVD (AUDIO/VIDEO) SIGNAL LINE

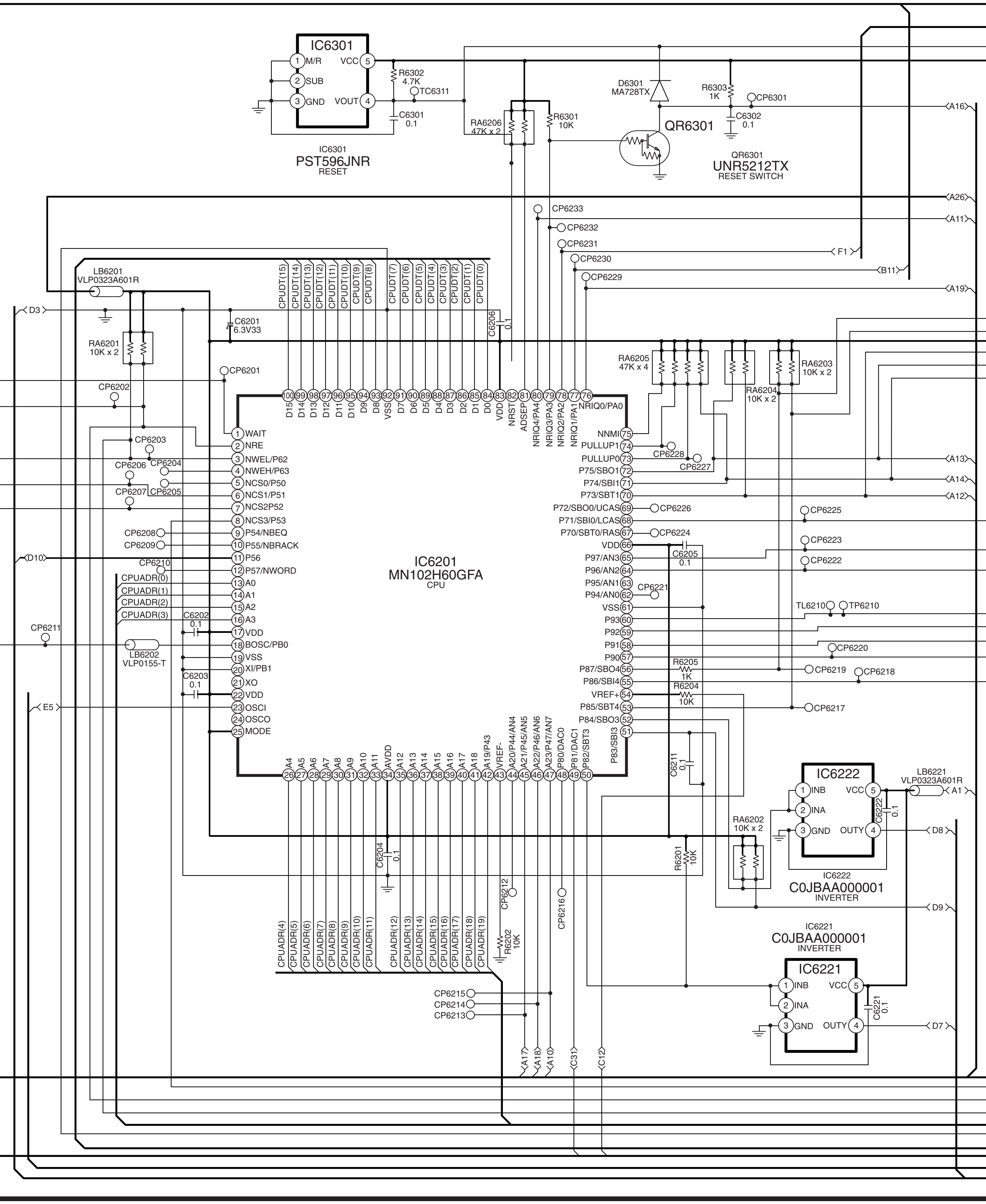


IC7001
MN103S13BGA
CPU
LB7001-LB7002
JALBK2HS470T
LB7001
LB7002
C7001
4V100P
C7002
4V100P
RA7001
47K x 4
RA7002
47K x 4
RA7003
47K x 4
R7001
1K
R7002
47K
C7011 0.1
C7012 0.1
C7013 0.1
C7014 0.1
C7015 0.1
C7016 0.1
C7017 0.1
C7018 0.1
C7019 0.1
C7020 0.1
C7021 0.1
C7022 0.1
C7023 0.1
C7024 0.1
C7025 0.1
C7026 0.1
C7027 0.1
CP7001
CP7002
CP7003
CP7004
CP7005
CP7006
CP7007
CP7008
CP7009
CP7010
CP7011
CP7012
CP7013
CP7015
CP7016
CP7018
CP7019
CP7020
CP7021
CP7022
CP7023
CP7024
CP7025
CP7026
CP7027
CP7028
CP7029
CP7030
CP7031
CP7032
CP7033
CP7034
CP7035
CP7036
CP7037
CP7038
CP7039
CP7040
1 HDD15
2 HDD0
3 HDD14
4 VDD3
5 HDD1
6 HDD13
7 HDD2
8 VSS
9 HDD12
10 VDD
11 HDD3
12 HDD11
13 HDD4
14 HDD10
15 VDD3
16 HDD5
17 HDD9
18 VSS
19 HDD6
20 HDD8
21 HDD7
22 VDD3
23 NRESET
24 MASTER
25 NINT0
26 NINT1
27 WAITODC
28 NMRST
29 DASPST
30 VDD3
31 NC
32 P2
33 UATASEL
34 VSS
35 PVSSDRAM
36 PVDDDRAM
37 CPUADR17
38 CPUADR16
39 PVSSDRAM
40 CPUADR15
41 CPUADR14
42 CPUADR13
43 CPUADR12
44 PVDDDRAM
45 CPUADR11
46 CPUADR10
47 CPUADR9
48 CPUADR8
49 CPUADR7
50 CPUADR6
51 CPUADR5
52 CPUADR4
53 CPUADR3
54 CPUADR2
55 CPUADR1
56 VSS
57 CPUADR0
58 NCS
59 NWR
60 NRD
61 VDD3
62 CPUDT7
63 CPUDT6
64 PTESTDRAM0
65 PTESTDRAM1
66 VDD
67 VSS
68 CPUDT5
69 CPUDT4
70 CPUDT3
71 VSS
72 CPUDT2
73 CPUDT1
74 CPUDT0
75 CLKOUT1
76 VDD3
77 TEHLD
78 DTRD
79 IDGT
80 BDO
81 CPDET2
82 CPDET1
83 VSS
84 MMOD
85 NRST
86 VDD
87 CLKOUT2
88 PLLOK
89 IDHOLD
90 JMPINH
91 LG
92 NTRON
93 DACDATA
94 DACLRCK
95 DACCLK
96 IPFLG
97 BLKCK
98 LRCK
99 VSS
100 OSCI1
101 ODCO1
102 VDD3
103 PVSS
104 PVDD
105 P1
106 P0
107 VSS
108 SBCK
109 SUBC
110 XCLDCK
111 CHCK4
112 DAT3
113 DAT2
114 DAT1
115 DAT0
116 VDD3
117 SCCLK
118 SDATA
119 MONI3
120 MONI2
121 MONI1
122 MONI0
123 VSS
124 NEJECT
125 VDD
126 NTRYCL
127 NDASP
128 NCS3FX
129 NCS1FX
130 VDD
131 DA2
132 DA0
133 NPDIAG
134 VSS
135 DA1
136 NIOCS16
137 INTRQ
138 VDD3
139 NDMACK
140 IORDY
141 NIORD
142 VSS
143 NIOWR
144 DMARQ
A20
A21
A22
A23
A24
A25
A26
A28
A29
A30
A31
A32
A33
A34
A35
A36
A37
A38
A39
A40
A16
B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B13
B14
B15
B16
B17
B18
B19
B20
B21
B22
B23
B24
B25
B26
B27
B28
B29
B30
B31
B32
B33
B34
B35
B36
B37
B38
B39
B40
B41
B42
B43
B44
C1
C2

SCHEMATIC DIAGRAM - 7

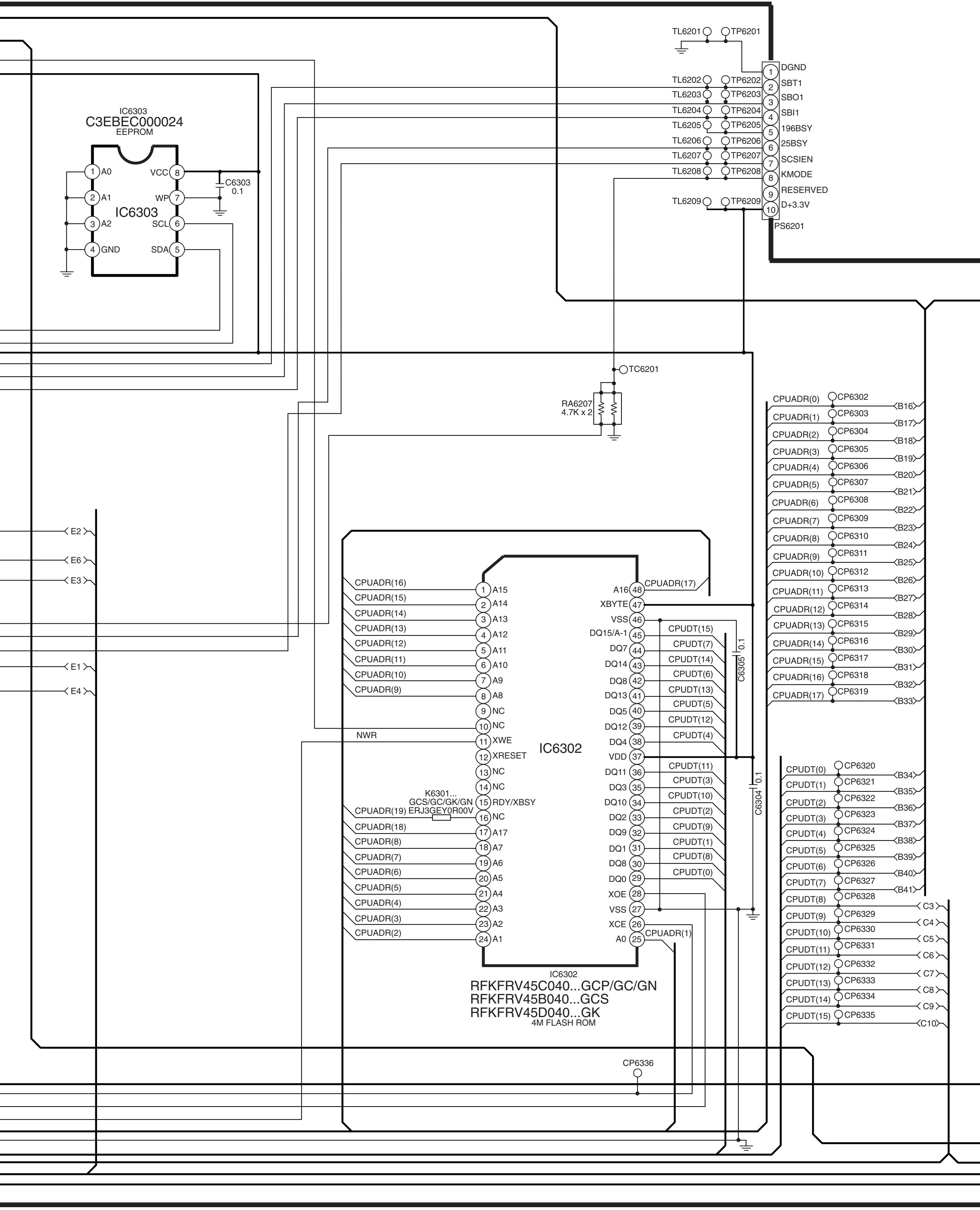
B DVD MODULE(2) CIRCUIT

——— : +B SIGNAL LINE


IC6301
1 M/R
2 SUB
3 GND
VCC 5
VOUT 4
IC6301
PST596JNR
RESET
R6302
4.7K
TC6311
C6301
0.1
RA6206
47K x 2
R6301
10K
D6301
MA728TX
R6303
1K
CP6301
C6302
0.1
QR6301
QR6301
UNR5212TX
RESET SWITCH
A16
A26
A11
F1
B11
A19
CP6233
CP6232
CP6231
CP6230
CP6229
LB6201
VLP0323A601R
D3
C6201
6.3V33
C6206
0.1
RA6201
10K x 2
CP6201
CP6202
CP6203
CP6204
CP6205
CP6206
CP6207
CP6208
CP6209
CP6210
CP6211
D10
E5
CPUDT(15)
CPUDT(14)
CPUDT(13)
CPUDT(12)
CPUDT(11)
CPUDT(10)
CPUDT(9)
CPUDT(8)
CPUDT(7)
CPUDT(6)
CPUDT(5)
CPUDT(4)
CPUDT(3)
CPUDT(2)
CPUDT(1)
CPUDT(0)
RA6205
47K x 4
RA6204
10K x 2
RA6203
10K x 2
IC6201
MN102H60GFA
CPU
1 WAIT
2 NRE
3 NWEL/P62
4 NWEH/P63
5 NCS0/P50
6 NCS1/P51
7 NCS2P52
8 NCS3/P53
9 P54/NBEQ
10 P55/NBRACK
11 P56
12 P57/NWORD
13 A0
14 A1
15 A2
16 A3
17 VDD
18 BOSC/PB0
19 VSS
20 XI/PB1
21 XO
22 VDD
23 OSCI
24 OSCO
25 MODE
CPUADR(0)
CPUADR(1)
CPUADR(2)
CPUADR(3)
C6202
0.1
C6203
0.1
LB6202
VLP0155-T
26 A4
27 A5
28 A6
29 A7
30 A8
31 A9
32 A10
33 A11
34 AVDD
35 A12
36 A13
37 A14
38 A15
39 A16
40 A17
41 A18
42 A19/P43
43 VREF-
44 A20/P44/AN4
45 A21/P45/AN5
46 A22/P46/AN6
47 A23/P47/AN7
48 P80/DAC0
49 P81/DAC1
50 P82/SBT3
51 P83/SBI3
52 P84/SBO3
53 P85/SBT4
54 VREF+
55 P86/SBI4
56 P87/SBO4
57 P90
58 P91
59 P92
60 P93
61 VSS
62 P94/AN0
63 P95/AN1
64 P96/AN2
65 P97/AN3
66 VDD
67 P70/SBT0/RAS
68 P71/SBI0/LCAS
69 P72/SBO0/UCAS
70 P73/SBT1
71 P74/SBI1
72 P75/SBO1
73 PULLUP0
74 PULLUP1
75 NNMI
76 NRIQ0/PA0
77 NRIQ1/PA1
78 NRIQ2/PA2
79 NRIQ3/PA3
80 NRIQ4/PA4
81 ADSEP
82 NRST
83 VDD
84 D0
85 D1
86 D2
87 D3
88 D4
89 D5
90 D6
91 D7
92 VSS
93 D8
94 D9
95 D10
96 D11
97 D12
98 D13
99 D14
100 D15
CP6228
CP6227
A13
A14
A12
CP6226
CP6225
CP6224
CP6223
CP6222
C6205
0.1
CP6221
TL6210
TP6210
CP6220
R6205
1K
CP6219
CP6218
R6204
10K
CP6217
C6211
0.1
C6204
0.1
CP6212
R6202
10K
CP6216
CPUADR(4)
CPUADR(5)
CPUADR(6)
CPUADR(7)
CPUADR(8)
CPUADR(9)
CPUADR(10)
CPUADR(11)
CPUADR(12)
CPUADR(13)
CPUADR(14)
CPUADR(15)
CPUADR(16)
CPUADR(17)
CPUADR(18)
CPUADR(19)
CP6215
CP6214
CP6213
A17
A18
A10
C31
C12
IC6222
1 INB
2 INA
3 GND
VCC 5
OUTY 4
C6222
0.1
LB6221
VLP0323A601R
A1
D8
RA6202
10K x 2
R6201
10K
IC6222
C0JBAA000001
INVERTER
D9
IC6221
C0JBAA000001
INVERTER
IC6221
1 INB
2 INA
3 GND
VCC 5
OUTY 4
C6221
0.1
D7

B DVD MODULE(2) CIRCUIT

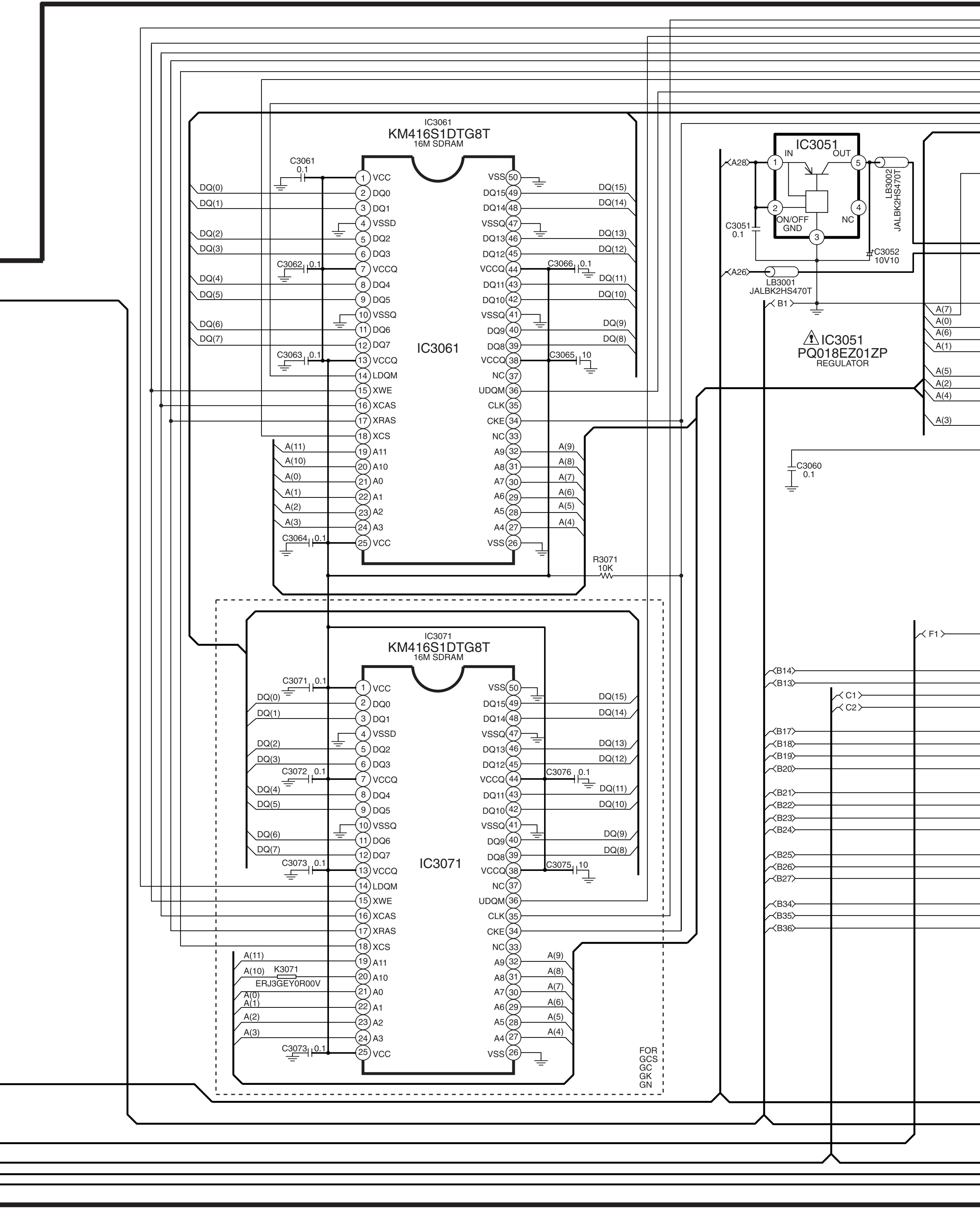
: +B SIGNAL LINE


IC6303
C3EBEC000024
EEPROM
IC6303
1 A0
2 A1
3 A2
4 GND
VCC 8
WP 7
SCL 6
SDA 5
C6303
0.1
TL6201
TP6201
TL6202
TP6202
TL6203
TP6203
TL6204
TP6204
TL6205
TP6205
TL6206
TP6206
TL6207
TP6207
TL6208
TP6208
TL6209
TP6209
1 DGND
2 SBT1
3 SBO1
4 SBI1
5 196BSY
6 25BSY
7 SCSIEN
8 KMODE
9 RESERVED
10 D+3.3V
PS6201
TC6201
RA6207
4.7K x 2
E2
E6
E3
E1
E4
CPUADR(0) CP6302 B16
CPUADR(1) CP6303 B17
CPUADR(2) CP6304 B18
CPUADR(3) CP6305 B19
CPUADR(4) CP6306 B20
CPUADR(5) CP6307 B21
CPUADR(6) CP6308 B22
CPUADR(7) CP6309 B23
CPUADR(8) CP6310 B24
CPUADR(9) CP6311 B25
CPUADR(10) CP6312 B26
CPUADR(11) CP6313 B27
CPUADR(12) CP6314 B28
CPUADR(13) CP6315 B29
CPUADR(14) CP6316 B30
CPUADR(15) CP6317 B31
CPUADR(16) CP6318 B32
CPUADR(17) CP6319 B33
CPUDT(0) CP6320 B34
CPUDT(1) CP6321 B35
CPUDT(2) CP6322 B36
CPUDT(3) CP6323 B37
CPUDT(4) CP6324 B38
CPUDT(5) CP6325 B39
CPUDT(6) CP6326 B40
CPUDT(7) CP6327 B41
CPUDT(8) CP6328 C3
CPUDT(9) CP6329 C4
CPUDT(10) CP6330 C5
CPUDT(11) CP6331 C6
CPUDT(12) CP6332 C7
CPUDT(13) CP6333 C8
CPUDT(14) CP6334 C9
CPUDT(15) CP6335 C10
CPUADR(16) 1 A15
CPUADR(15) 2 A14
CPUADR(14) 3 A13
CPUADR(13) 4 A12
CPUADR(12) 5 A11
CPUADR(11) 6 A10
CPUADR(10) 7 A9
CPUADR(9) 8 A8
9 NC
10 NC
NWR 11 XWE
12 XRESET
13 NC
14 NC
K6301...
GCS/GC/GK/GN
15 RDY/XBSY
CPUADR(19) ERJ3GEY0R00V
16 NC
CPUADR(18) 17 A17
CPUADR(8) 18 A7
CPUADR(7) 19 A6
CPUADR(6) 20 A5
CPUADR(5) 21 A4
CPUADR(4) 22 A3
CPUADR(3) 23 A2
CPUADR(2) 24 A1
IC6302
A16 48 CPUADR(17)
XBYTE 47
VSS 46
DQ15/A-1 45 CPUDT(15)
DQ7 44 CPUDT(7)
DQ14 43 CPUDT(14)
DQ8 42 CPUDT(6)
DQ13 41 CPUDT(13)
DQ5 40 CPUDT(5)
DQ12 39 CPUDT(12)
DQ4 38 CPUDT(4)
VDD 37
DQ11 36 CPUDT(11)
DQ3 35 CPUDT(3)
DQ10 34 CPUDT(10)
DQ2 33 CPUDT(2)
DQ9 32 CPUDT(9)
DQ1 31 CPUDT(1)
DQ8 30 CPUDT(8)
DQ0 29 CPUDT(0)
XOE 28
VSS 27
XCE 26
A0 25 CPUADR(1)
C6305
0.1
C6304
0.1
IC6302
RFKFRV45C040...GCP/GC/GN
RFKFRV45B040...GCS
RFKFRV45D040...GK
4M FLASH ROM
CP6336

SCHEMATIC DIAGRAM - 9

B DVD MODULE(2) CIRCUIT

: +B SIGNAL LINE

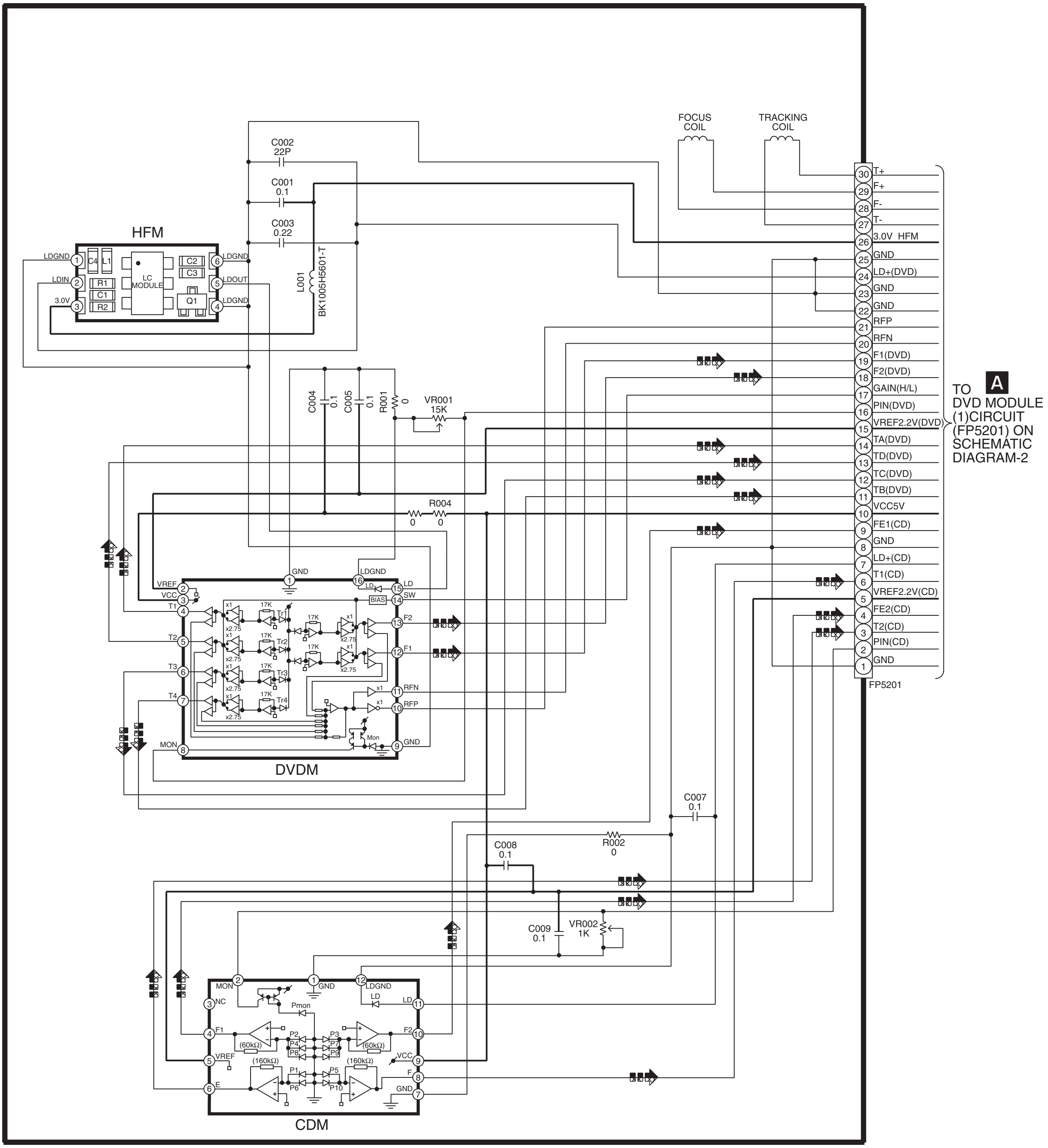

IC3061
KM416S1DTG8T
16M SDRAM
IC3061
C3061
0.1
C3062
0.1
C3063
0.1
C3064
0.1
C3066
0.1
C3065
10
R3071
10K
1 VCC
2 DQ0
3 DQ1
4 VSSD
5 DQ2
6 DQ3
7 VCCQ
8 DQ4
9 DQ5
10 VSSQ
11 DQ6
12 DQ7
13 VCCQ
14 LDQM
15 XWE
16 XCAS
17 XRAS
18 XCS
19 A11
20 A10
21 A0
22 A1
23 A2
24 A3
25 VCC
VSS 50
DQ15 49
DQ14 48
VSSQ 47
DQ13 46
DQ12 45
VCCQ 44
DQ11 43
DQ10 42
VSSQ 41
DQ9 40
DQ8 39
VCCQ 38
NC 37
UDQM 36
CLK 35
CKE 34
NC 33
A9 32
A8 31
A7 30
A6 29
A5 28
A4 27
VSS 26
DQ(0)
DQ(1)
DQ(2)
DQ(3)
DQ(4)
DQ(5)
DQ(6)
DQ(7)
DQ(15)
DQ(14)
DQ(13)
DQ(12)
DQ(11)
DQ(10)
DQ(9)
DQ(8)
A(11)
A(10)
A(0)
A(1)
A(2)
A(3)
A(9)
A(8)
A(7)
A(6)
A(5)
A(4)
IC3071
KM416S1DTG8T
16M SDRAM
IC3071
C3071
0.1
C3072
0.1
C3073
0.1
C3073
0.1
C3076
0.1
C3075
10
K3071
ERJ3GEY0R00V
FOR
GCS
GC
GK
GN
IC3051
IN
OUT
ON/OFF
GND
NC
1
2
3
4
5
A28
A26
B1
C3051
0.1
C3052
10V10
LB3001
JALBK2HS470T
LB3002
JALBK2HS470T
IC3051
PQ018EZ01ZP
REGULATOR
C3060
0.1
A(7)
A(0)
A(6)
A(1)
A(5)
A(2)
A(4)
A(3)
F1
B14
B13
C1
C2
B17
B18
B19
B20
B21
B22
B23
B24
B25
B26
B27
B34
B35
B36

SCHEMATIC DIAGRAM - 1

: +B SIGNAL LINE

: DVD (AUDIO/VIDEO) SIGNAL LINE

OPTICAL PICKUP UNIT

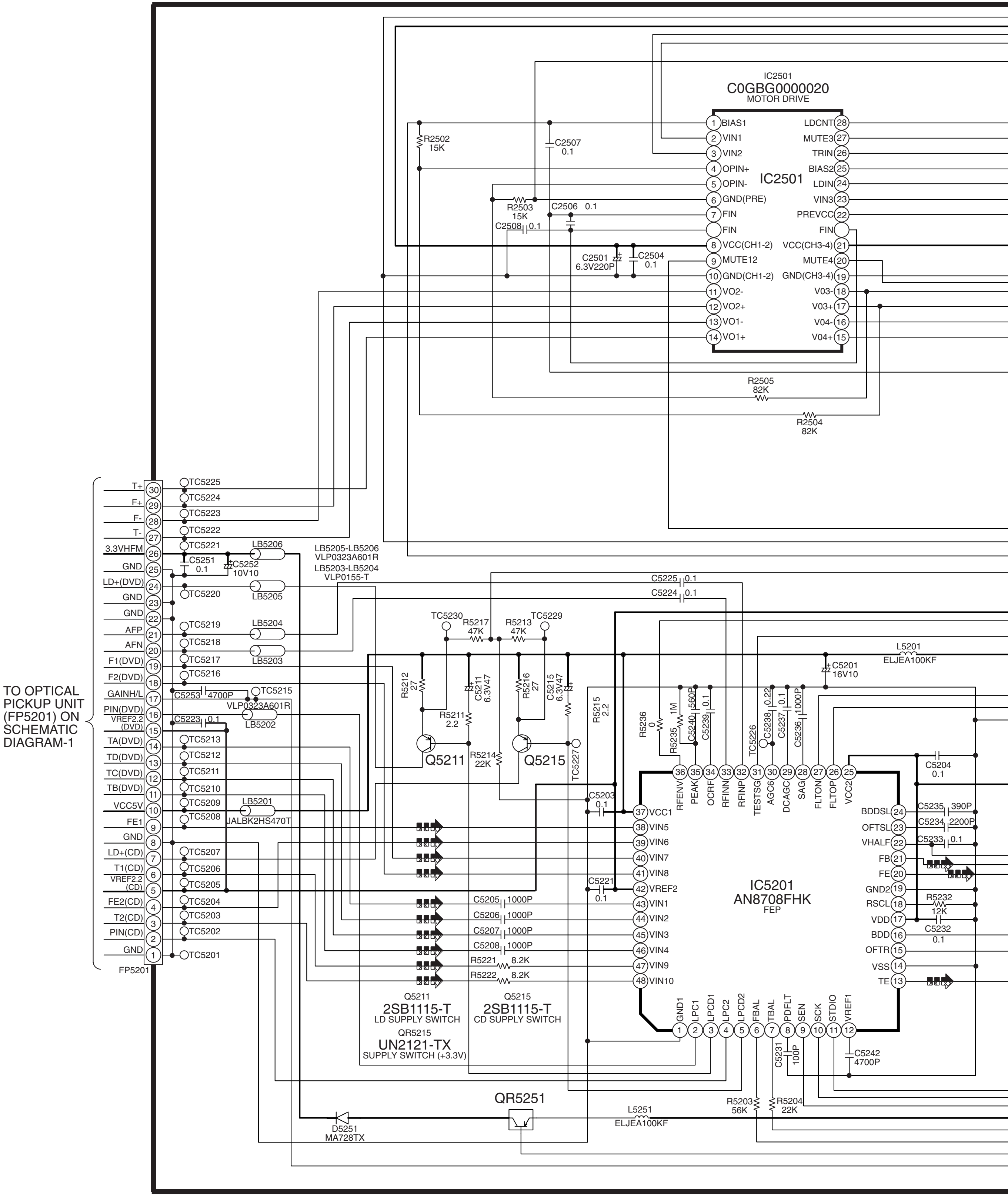


HFM
LDGND
LDIN
3.0V
C4
L1
LC MODULE
R1
C1
R2
C2
C3
Q1
LDGND
LDOUT
LDGND
C002
22P
C001
0.1
C003
0.22
L001
BK1005H5601-T
FOCUS COIL
TRACKING COIL
C004
0.1
C005
0.1
R001
0
VR001
15K
R004
0
0
DVDM
GND
LDGND
VREF
VCC
T1
T2
T3
T4
MON
LD
SW
BIAS
F2
F1
RFN
RFP
GND
x1
x2.75
17K
Tr1
Tr2
Tr3
Tr4
Mon
C007
0.1
R002
0
C008
0.1
C009
0.1
VR002
1K
CDM
MON
NC
F1
VREF
E
GND
LDGND
LD
Pmon
F2
VCC
F
GND
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
(60kΩ)
(160kΩ)
FP5201
30 T+
29 F+
28 F-
27 T-
26 3.0V HFM
25 GND
24 LD+(DVD)
23 GND
22 GND
21 RFP
20 RFN
19 F1(DVD)
18 F2(DVD)
17 GAIN(H/L)
16 PIN(DVD)
15 VREF2.2V(DVD)
14 TA(DVD)
13 TD(DVD)
12 TC(DVD)
11 TB(DVD)
10 VCC5V
9 FE1(CD)
8 GND
7 LD+(CD)
6 T1(CD)
5 VREF2.2V(CD)
4 FE2(CD)
3 T2(CD)
2 PIN(CD)
1 GND
TO A DVD MODULE (1)CIRCUIT (FP5201) ON SCHEMATIC DIAGRAM-2

SCHEMATIC DIAGRAM - 2

——— : +B SIGNAL LINE ⇛ : DVD (AUDIO/VIDEO) SIGNAL LINE

A DVD MODULE(1) CIRCUIT

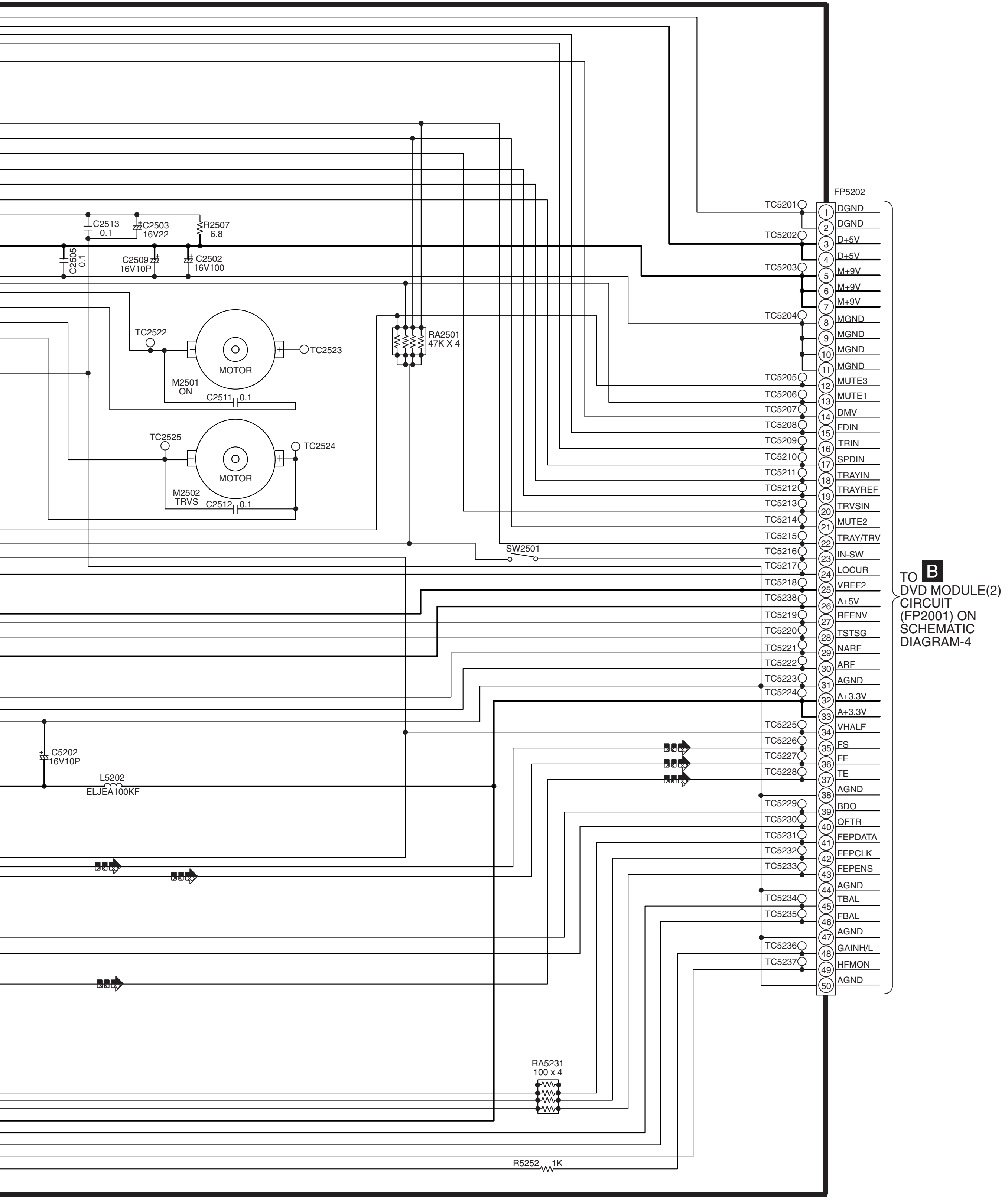


IC2501
C0GBG0000020
MOTOR DRIVE
IC2501
1 BIAS1
2 VIN1
3 VIN2
4 OPIN+
5 OPIN-
6 GND(PRE)
7 FIN
FIN
8 VCC(CH1-2)
9 MUTE12
10 GND(CH1-2)
11 VO2-
12 VO2+
13 VO1-
14 VO1+
LDCNT 28
MUTE3 27
TRIN 26
BIAS2 25
LDIN 24
VIN3 23
PREVCC 22
FIN
VCC(CH3-4) 21
MUTE4 20
GND(CH3-4) 19
V03- 18
V03+ 17
V04- 16
V04+ 15
R2502 15K
C2507 0.1
R2503 15K
C2506 0.1
C2508 0.1
C2501 6.3V220P
C2504 0.1
R2505 82K
R2504 82K
TO OPTICAL PICKUP UNIT (FP5201) ON SCHEMATIC DIAGRAM-1
T+ 30
F+ 29
F- 28
T- 27
3.3VHFM 26
GND 25
LD+(DVD) 24
GND 23
GND 22
AFP 21
AFN 20
F1(DVD) 19
F2(DVD) 18
GAINH/L 17
PIN(DVD) 16
VREF2.2 (DVD) 15
TA(DVD) 14
TD(DVD) 13
TC(DVD) 12
TB(DVD) 11
VCC5V 10
FE1 9
GND 8
LD+(CD) 7
T1(CD) 6
VREF2.2 (CD) 5
FE2(CD) 4
T2(CD) 3
PIN(CD) 2
GND 1
FP5201
TC5225
TC5224
TC5223
TC5222
TC5221
TC5220
TC5219
TC5218
TC5217
TC5216
TC5215
TC5213
TC5212
TC5211
TC5210
TC5209
TC5208
TC5207
TC5206
TC5205
TC5204
TC5203
TC5202
TC5201
C5251 0.1
C5252 10V10
C5253 4700P
C5223 0.1
LB5206
LB5205
LB5204
LB5203
LB5202
LB5201
VLP0323A601R
JALBK2HS470T
LB5205-LB5206 VLP0323A601R
LB5203-LB5204 VLP0155-T
TC5230
R5217 47K
R5213 47K
TC5229
R5212 27
C5211 6.3V47
R5216 27
C5215 6.3V47
R5211 2.2
R5214 22K
Q5211
Q5215
TC5227
R5215 2.2
R5236 0
R5235 1M
C5240 560P
C5239 0.1
TC5226
C5238 0.22
C5237 0.1
C5236 1000P
C5225 0.1
C5224 0.1
C5201 16V10
L5201 ELJEA100KF
C5204 0.1
C5203 0.1
C5221 0.1
C5205 1000P
C5206 1000P
C5207 1000P
C5208 1000P
R5221 8.2K
R5222 8.2K
IC5201
AN8708FHK
FEP
36 RFENV
35 PEAK
34 OCRF
33 RFINN
32 RFINP
31 TESTSG
30 AGC6
29 DCAGC
28 SAG
27 FLTON
26 FLTOP
25 VCC2
37 VCC1
38 VIN5
39 VIN6
40 VIN7
41 VIN8
42 VREF2
43 VIN1
44 VIN2
45 VIN3
46 VIN4
47 VIN9
48 VIN10
BDDSL 24
OFTSL 23
VHALF 22
FB 21
FE 20
GND2 19
RSCL 18
VDD 17
BDD 16
OFTR 15
VSS 14
TE 13
1 GND1
2 LPC1
3 LPCD1
4 LPC2
5 LPCD2
6 FBAL
7 TBAL
8 PDFLT
9 SEN
10 SCK
11 STDIO
12 VREF1
C5235 390P
C5234 2200P
C5233 0.1
R5232 12K
C5232 0.1
C5231 100P
C5242 4700P
R5203 56K
R5204 22K
Q5211
2SB1115-T
LD SUPPLY SWITCH
Q5215
2SB1115-T
CD SUPPLY SWITCH
QR5215
UN2121-TX
SUPPLY SWITCH (+3.3V)
QR5251
D5251 MA728TX
L5251 ELJEA100KF

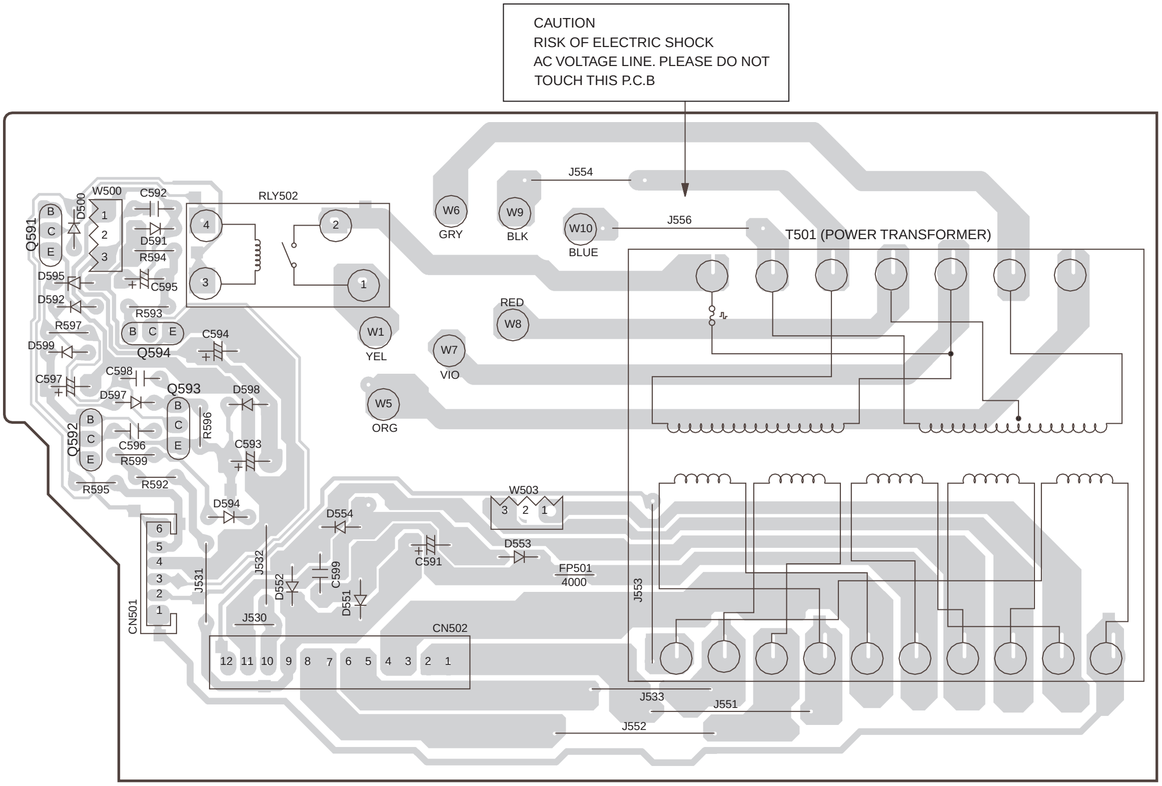
SCHEMATIC DIAGRAM - 3

———— : +B SIGNAL LINE ▶ : DVD (AUDIO/VIDEO) SIGNAL LINE

A DVD MODULE(1) CIRCUIT


C2513
0.1
C2503
16V22
R2507
6.8
C2505
0.1
C2509
16V10P
C2502
16V100
TC2522
TC2523
MOTOR
M2501
ON
C2511 0.1
RA2501
47K X 4
TC2525
TC2524
MOTOR
M2502
TRVS
C2512 0.1
SW2501
C5202
16V10P
L5202
ELJEA100KF
RA5231
100 x 4
R5252 1K
FP5202
TC5201 1 DGND
2 DGND
TC5202 3 D+5V
4 D+5V
TC5203 5 M+9V
6 M+9V
7 M+9V
TC5204 8 MGND
9 MGND
10 MGND
11 MGND
TC5205 12 MUTE3
TC5206 13 MUTE1
TC5207 14 DMV
TC5208 15 FDIN
TC5209 16 TRIN
TC5210 17 SPDIN
TC5211 18 TRAYIN
TC5212 19 TRAYREF
TC5213 20 TRVSIN
TC5214 21 MUTE2
TC5215 22 TRAY/TRV
TC5216 23 IN-SW
TC5217 24 LOCUR
TC5218 25 VREF2
TC5238 26 A+5V
TC5219 27 RFENV
TC5220 28 TSTSG
TC5221 29 NARF
TC5222 30 ARF
TC5223 31 AGND
TC5224 32 A+3.3V
33 A+3.3V
TC5225 34 VHALF
TC5226 35 FS
TC5227 36 FE
TC5228 37 TE
38 AGND
TC5229 39 BDO
TC5230 40 OFTR
TC5231 41 FEPDATA
TC5232 42 FEPCLK
TC5233 43 FEPENS
44 AGND
TC5234 45 TBAL
TC5235 46 FBAL
47 AGND
TC5236 48 GAINH/L
TC5237 49 HFMON
50 AGND
TO B
DVD MODULE(2)
CIRCUIT
(FP2001) ON
SCHEMATIC
DIAGRAM-4

L AC TRANSFORMER P.C.B. (REP3078B...GCS/GC/GCP)



CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B

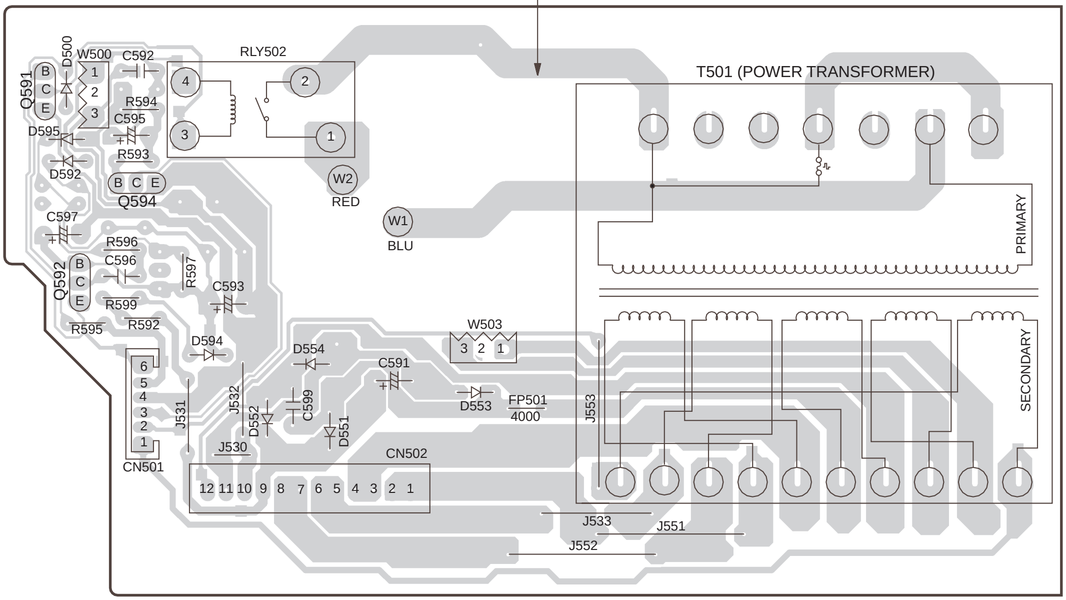
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
Q591
B
C
E
D500
W500
1
2
3
C592
D591
R594
RLY502
4
3
2
1
D595
C595
D592
R593
R597
B
C
E
Q594
C594
D599
C598
C597
D597
Q593
D598
B
C
E
R596
Q592
B
C
E
C596
R599
C593
R595
R592
D594
CN501
6
5
4
3
2
1
J531
J532
J530
D552
C599
D551
D554
C591
W503
3
2
1
D553
FP501
4000
J553
CN502
12
11
10
9
8
7
6
5
4
3
2
1
J533
J551
J552
J554
J556
W6
GRY
W9
BLK
W10
BLUE
T501 (POWER TRANSFORMER)
RED
W8
W1
YEL
W7
VIO
W5
ORG

A B C D E F G

1 2 3 4 5 6 7 8 9

L AC TRANSFORMER P.C.B. (REP3078C...GK)

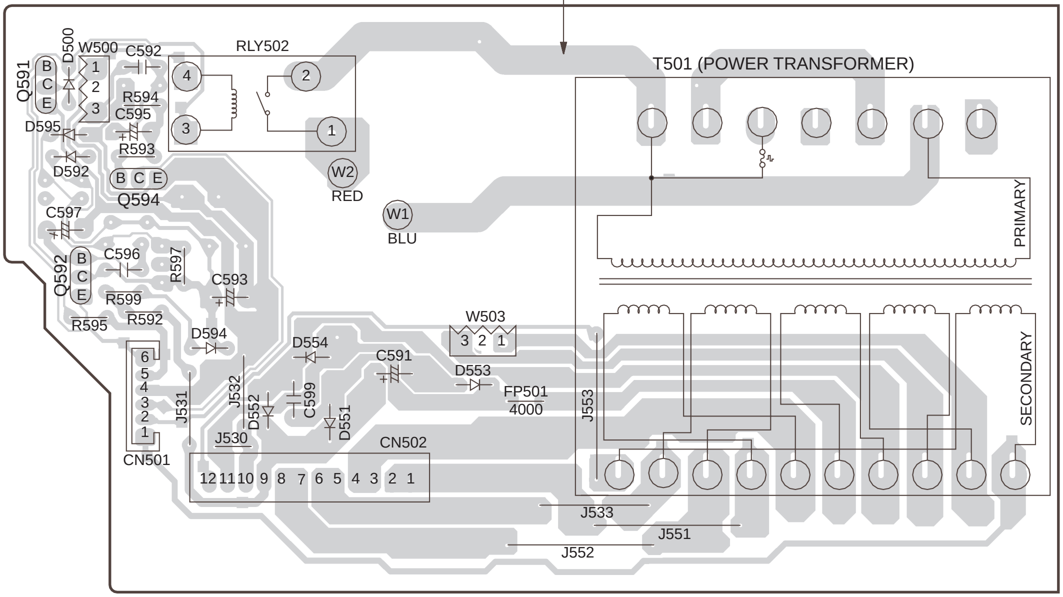
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B



Q591
B C E
D500
W500
1 2 3
C592
RLY502
4 2 3 1
R594
C595
D595
R593
D592
B C E
Q594
W2
RED
W1
BLU
C597
R596
C596
Q592
B C E
R597
C593
R599
R595
R592
D594
D554
C591
W503
3 2 1
D553
FP501
4000
6 5 4 3 2 1
CN501
J531
J532
D552
C599
D551
J530
CN502
12 11 10 9 8 7 6 5 4 3 2 1
J553
J533
J551
J552
T501 (POWER TRANSFORMER)
PRIMARY
SECONDARY

L AC TRANSFORMER P.C.B. (REP3078D...GN)

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B

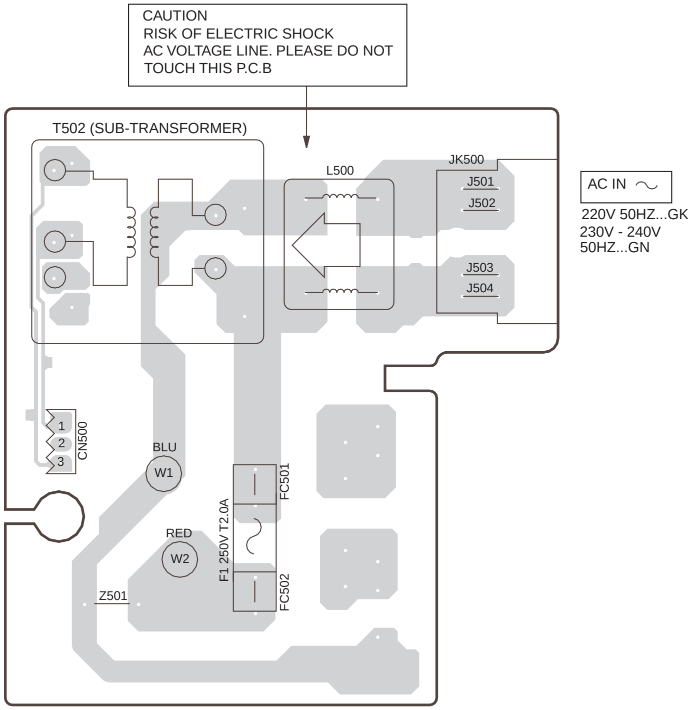


Q591
B C E
D500
W500
1 2 3
C592
RLY502
4 2 3 1
R594
C595
D595
R593
D592
B C E
Q594
W2
RED
W1
BLU
C597
C596
Q592
B C E
R597
C593
R599
R595
R592
D594
D554
C591
W503
3 2 1
D553
FP501
4000
6 5 4 3 2 1
CN501
J531
J532
D552
C599
D551
J530
CN502
12 11 10 9 8 7 6 5 4 3 2 1
J553
J533
J551
J552
T501 (POWER TRANSFORMER)
PRIMARY
SECONDARY

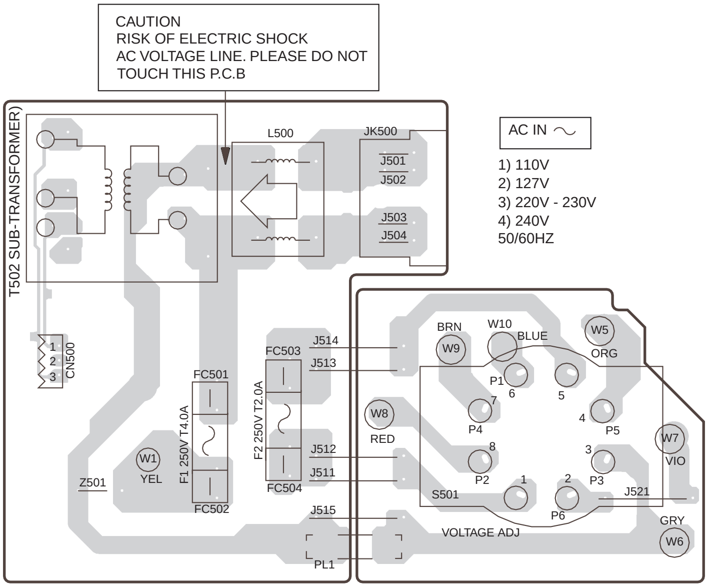
A B C D E F G

1 2 3 4 5 6 7 8 9

M SUB-TRANSFORMER P.C.B. (REP3078D...GN)
(REP3078C...GK)

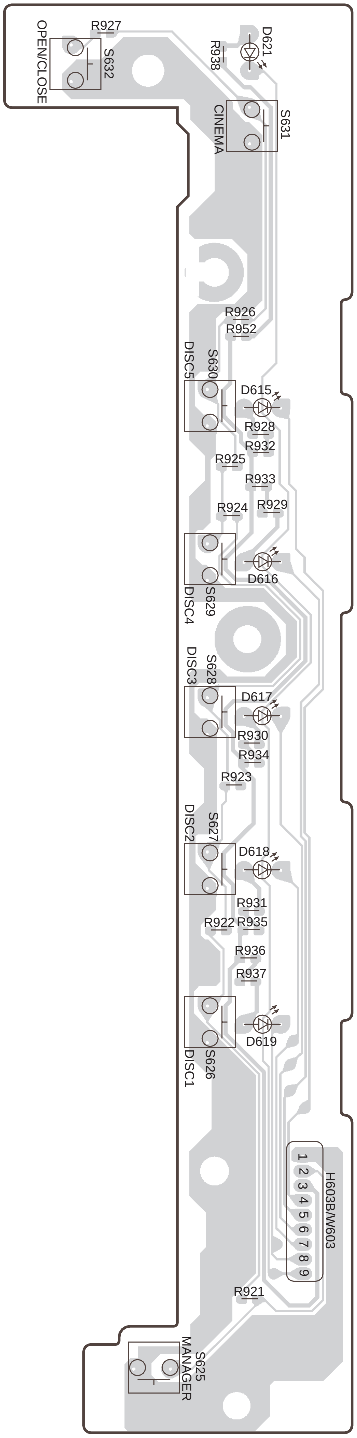

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B
T502 (SUB-TRANSFORMER)
L500
JK500
J501
J502
J503
J504
AC IN ~
220V 50HZ...GK
230V - 240V
50HZ...GN
1
2
3
CN500
BLU
W1
RED
W2
FC501
F1 250V T2.0A
FC502
Z501

M SUB-TRANSFORMER P.C.B. (REP3078B...GC/GCS/GCP)

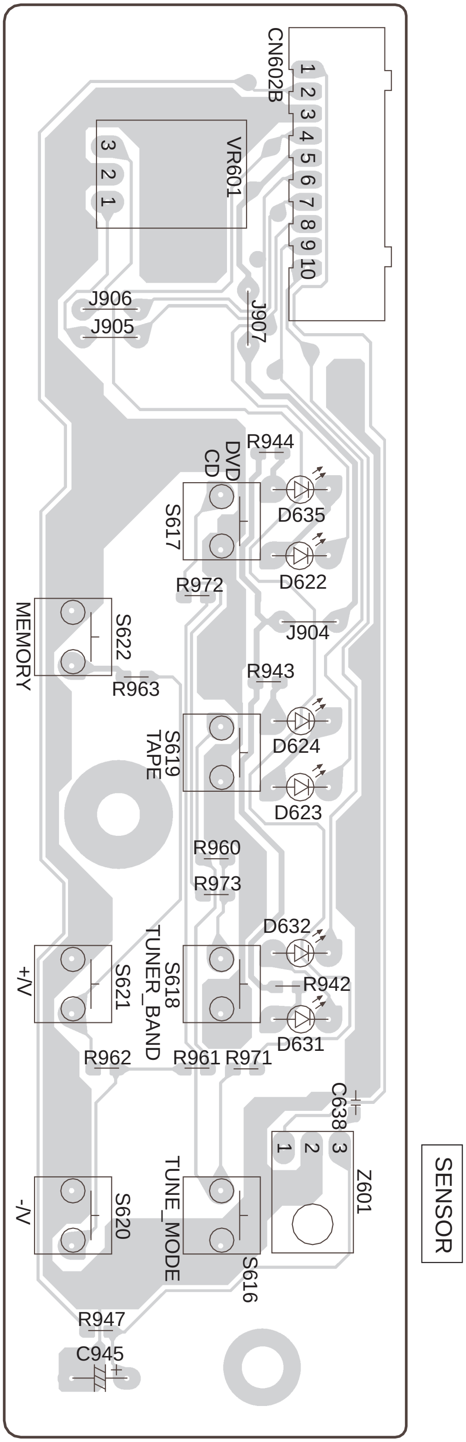

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B
T502 SUB-TRANSFORMER)
L500
JK500
J501
J502
J503
J504
AC IN ~
1) 110V
2) 127V
3) 220V - 230V
4) 240V
50/60HZ
1
2
3
CN500
FC501
F1 250V T4.0A
FC502
W1
YEL
Z501
FC503
J514
J513
F2 250V T2.0A
J512
J511
FC504
J515
PL1
BRN
W10
BLUE
W5
W9
ORG
P1
6
5
7
W8
RED
P4
4
P5
W7
VIO
8
3
P2
1
2
P3
S501
J521
P6
GRY
VOLTAGE ADJ
W6

T VOLTAGE SELECTOR P.C.B.
(REP3078B...GC/GCS/GCP)

N TACT SWITCH (1) P.C.B.
(REP3075B...GCP)
(REP3075C...GC /GCS/GK)
(REP3075D...GN)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
R927
OPEN/CLOSE
S632
R938
D621
CINEMA
S631
R926
R952
DISC5
S630
D615
R928
R932
R925
R933
R924
R929
D616
DISC4
S629
DISC3
S628
D617
R930
R934
R923
DISC2
S627
D618
R931
R922
R935
R936
R937
D619
DISC1
S626
H603B/W603
1 2 3 4 5 6 7 8 9
R921
S625
MANAGER

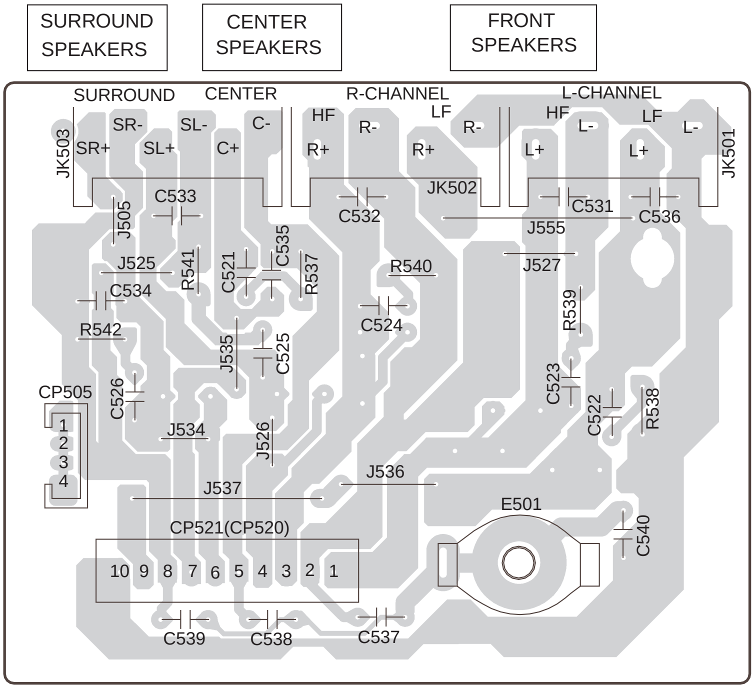
O TACT SWITCH (2) P.C.B.
(REP3075B...GCP)
(REP3075C...GCS/GC/GK)
(REP3075D...GN)


CN602B
1 2 3 4 5 6 7 8 9 10
VR601
3 2 1
J906
J905
J907
R944
DVD
CD
S617
D635
D622
R972
MEMORY
S622
J904
R963
R943
S619
TAPE
D624
D623
R960
R973
D632
+/V
S621
S618
TUNER_BAND
R942
D631
R962
R961
R971
C638
1 2 3
Z601
SENSOR
-/V
S620
TUNE_MODE
S616
R947
C945

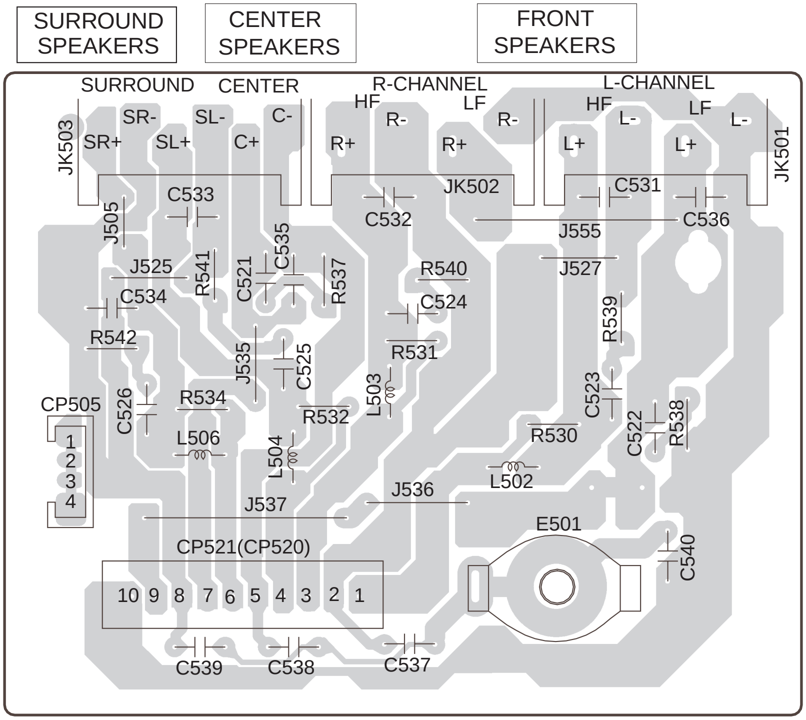
A B C D E F G

1 2 3 4 5 6 7 8 9

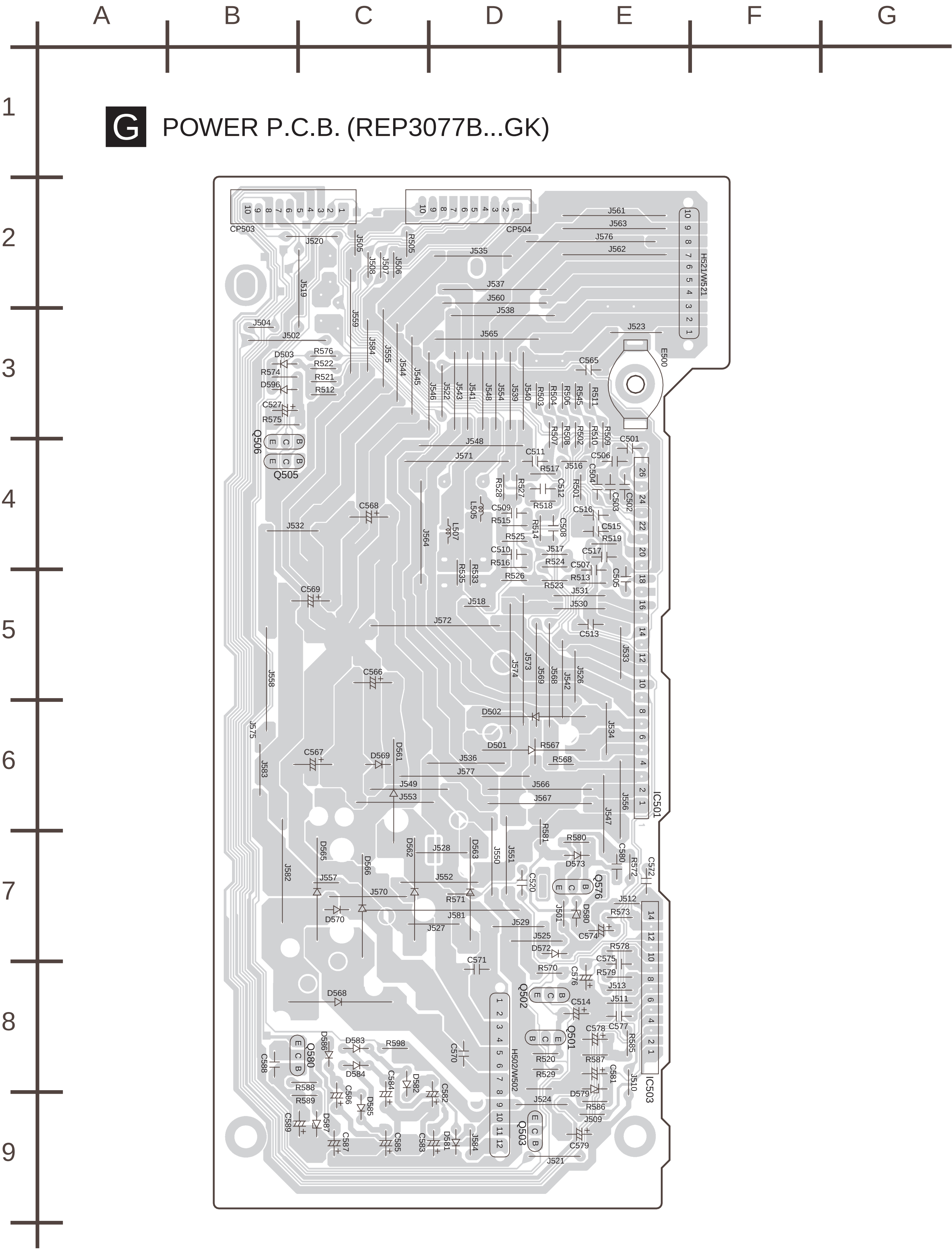
H SPEAKER P.C.B. (REP3078B...GC/GCS/GCP)
(REP3078D...GN)


SURROUND SPEAKERS
CENTER SPEAKERS
FRONT SPEAKERS
SURROUND
CENTER
R-CHANNEL
L-CHANNEL
SR-
SL-
C-
HF
R-
LF
R-
HF
L-
LF
L-
SR+
SL+
C+
R+
R+
L+
L+
JK503
JK501
JK502
C533
J505
C532
C531
C536
J555
J525
R541
C521
C535
R537
R540
J527
C534
R542
C524
R539
J535
C525
CP505
C526
C523
C522
R538
J534
J526
1
2
3
4
J536
J537
E501
CP521(CP520)
C540
10 9 8 7 6 5 4 3 2 1
C539
C538
C537

H SPEAKER P.C.B. (REP3078C...GK)


SURROUND SPEAKERS
CENTER SPEAKERS
FRONT SPEAKERS
SURROUND
CENTER
R-CHANNEL
L-CHANNEL
HF
LF
HF
LF
SR-
SL-
C-
R-
R-
L-
L-
SR+
SL+
C+
R+
R+
L+
L+
JK503
JK501
C533
JK502
C531
C532
C536
J505
J555
J527
J525
R541
C521
C535
R537
R540
C534
C524
R539
R542
R531
J535
C525
L503
C523
CP505
C526
R534
R532
C522
R538
R530
L506
L504
1
2
3
4
L502
J536
J537
E501
CP521(CP520)
C540
10 9 8 7 6 5 4 3 2 1
C539
C538
C537

G POWER P.C.B. (REP3077B...GK)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
CP503
CP504
H521/W521
J561
J563
J576
J562
J520
J505
R505
J508
J507
J506
J535
J519
J537
J560
J538
J504
J502
J559
J584
J555
J544
J545
J565
J523
E500
D503
R576
R522
R574
R521
D596
R512
C527
R575
Q506
Q505
J546
J522
J543
J541
J548
J554
J539
J540
R503
R504
R506
R545
R511
C565
R507
R508
R502
R510
R509
C501
J548
J571
C511
R517
J516
C506
C504
C503
C502
R528
R527
C512
R501
L505
C509
R518
C516
C568
R515
R514
C508
C515
L507
R525
R519
J532
J564
C510
J517
C517
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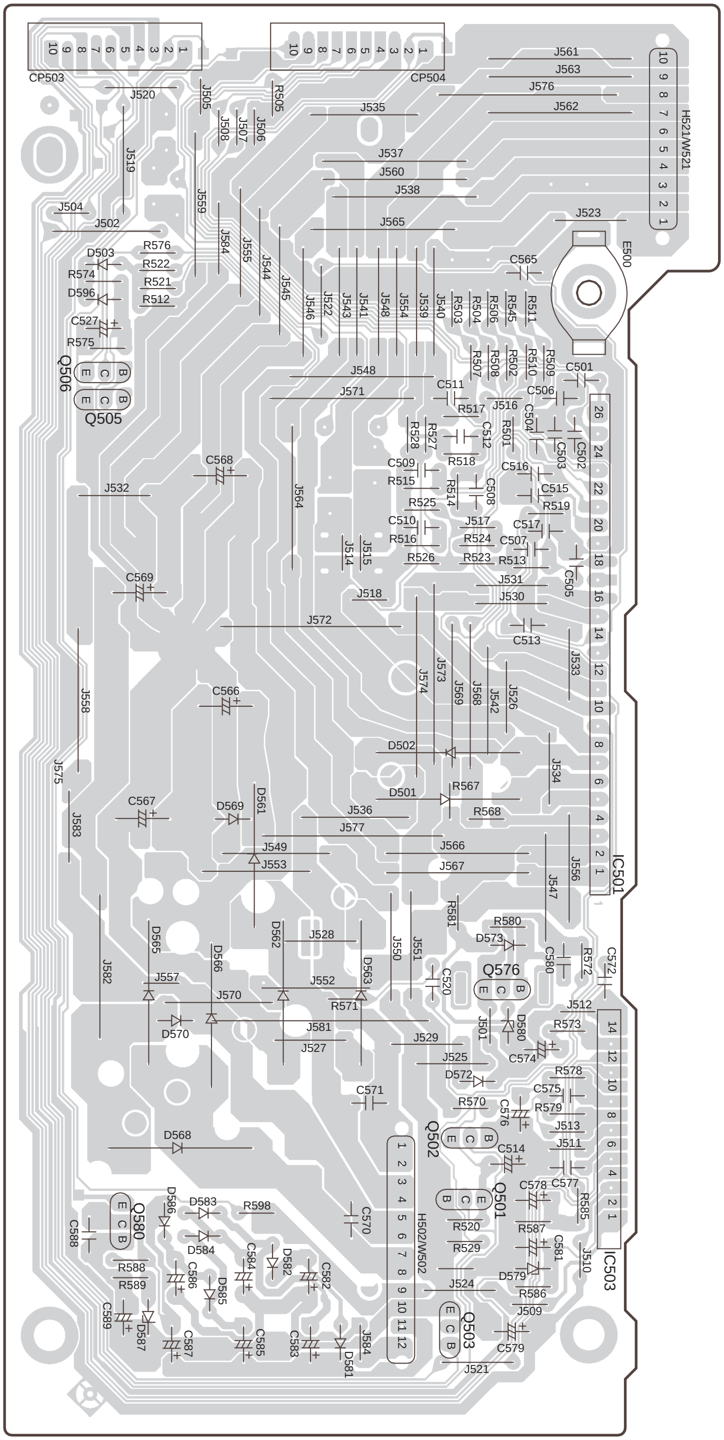
R533
R535
R526
R513
C505
R523
J531
C569
J518
J530
J572
C513
J533
J558
J574
J573
J569
J568
J542
J526
C566
D502
J575
J534
D501
R567
C567
D569
D561
J536
R568
J583
J577
J549
J566
J553
J567
J556
J547
IC501
R581
J582
D565
D562
J528
D563
J550
J551
R580
C580
D573
R572
C572
D566
J557
J552
C520
Q576
J570
R571
J501
D580
J512
D570
J581
R573
J527
J529
C574
J525
D572
R578
C575
C571
R570
C576
R579
Q502
J513
D568
J511
C514
C577
C578
Q501
R585
Q580
D586
D583
R598
C570
H502/W502
C588
D584
R520
R587
C581
C584
D582
R529
J510
IC503
R588
C586
C582
D579
R589
D585
J524
R586
C589
D587
J509
Q503
C587
C585
C583
D581
J584
C579
J521
B C E
1 2 3 4 5 6 7 8 9 10 11 12
2 4 6 8 10 12 14
1 2 4 6 8 10 12 14 16 18 20 22 24 26

G POWER P.C.B. (REP3077A...GC/GCS/GCP/GN)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
CP503
CP504
H521/W521
E500
IC501
IC503
H502/W502
Q505
Q506
Q576
Q502
Q501
Q503
Q580
J561
J563
J576
J562
J520
J505
R505
J535
J506
J507
J508
J519
J537
J560
J538
J559
J504
J502
J523
J565
J584
J555
J544
J545
J546
J522
J543
J541
J548
J554
J539
J540
R503
R504
R506
R545
R511
D503
R576
R522
R521
R512
R574
D596
C527
R575
C565
R507
R508
R502
R510
R509
C501
C511
C506
R517
J516
J571
C504
C503
C502
R528
R527
C512
R501
C568
C509
R518
C516
C515
R515
R514
C508
R519
J532
R525
J564
C510
J517
C517
R516
R524
C507
J514
J515
R526
R523
R513
C505
C569
J531
J518
J530
J572
C513
J573
J574
J569
J568
J542
J526
J533
J558
C566
D502
J534
J575
D501
R567
C567
D569
D561
J536
R568
J583
J577
J549
J566
J553
J567
J556
J547
R581
R580
D565
D562
J528
D566
J550
J551
D573
C580
R572
C572
J582
D563
C520
J557
J552
J512
J570
R571
J501
D580
R573
D570
J581
J529
C574
J527
J525
R578
D572
C571
C575
R570
C576
R579
J513
D568
C514
J511
C578
C577
D586
D583
R598
C570
R585
C588
R520
R587
D584
R529
C581
C584
D582
J510
R588
C586
C582
D579
R589
D585
J524
R586
C589
D587
C587
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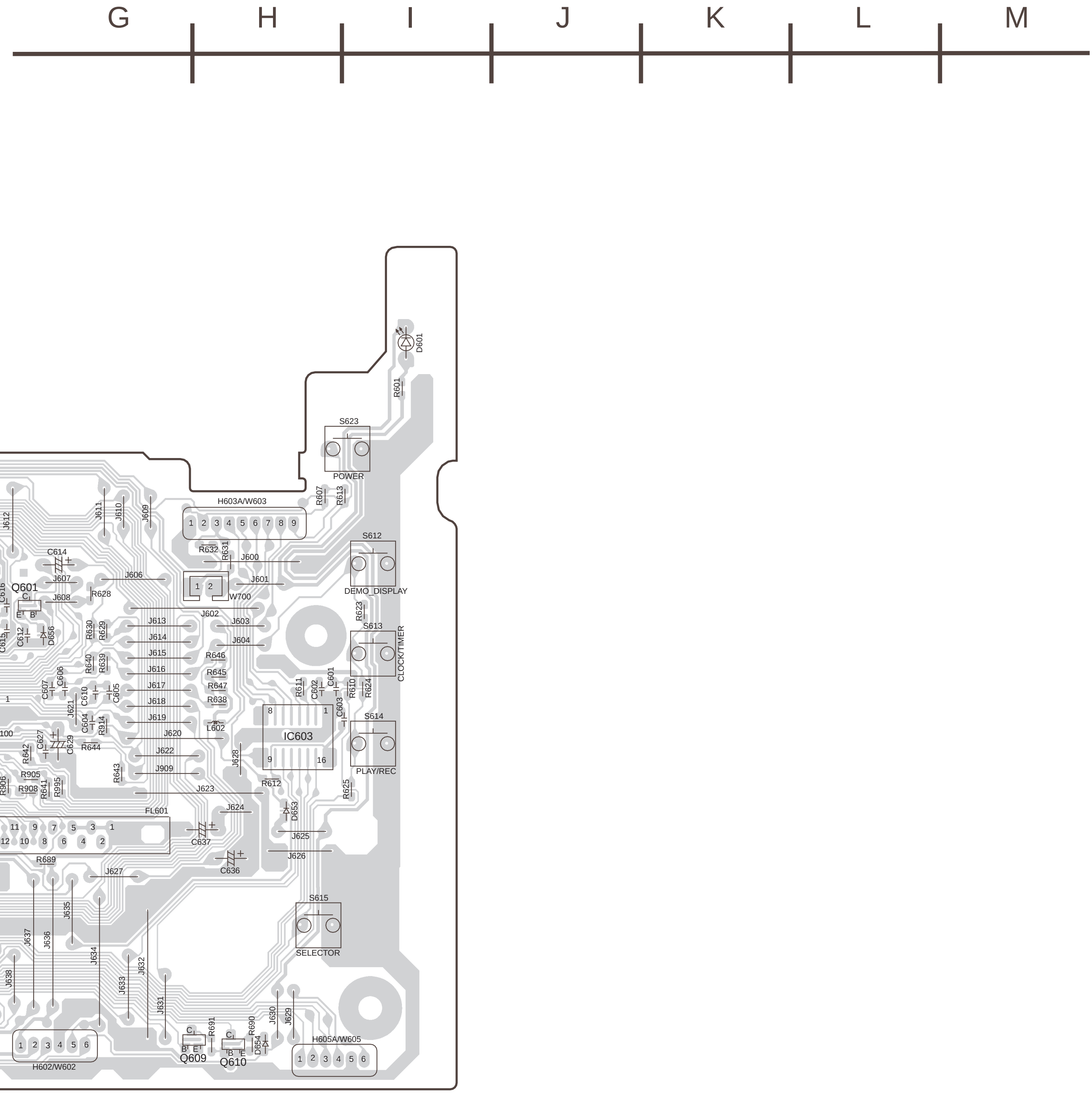
C579
J521
E
C
B


G
H
I
J
K
L
M
D601
R601
S623
POWER
R607
R613
H603A/W603
1 2 3 4 5 6 7 8 9
J612
J611
J610
J609
S612
DEMO_DISPLAY
R632
R631
J600
C614
J607
J606
J601
W700
Q601
J608
R628
J602
R623
S613
CLOCK/TIMER
J613
J603
C616
C612
D656
R630
R629
J614
J604
C615
J615
R646
R640
R639
J616
R645
C606
C607
C610
C605
J617
R647
R611
C602
C601
R610
R624
J621
J618
R638
C603
IC603
8
1
9
16
S614
PLAY/REC
C604
R914
J619
L602
C627
C629
R644
J620
R642
J622
J628
J909
R643
R905
R906
R908
R641
R995
J623
R612
R625
FL601
J624
D653
11 9 7 5 3 1
12 10 8 6 4 2
C637
J625
R689
C636
J626
J627
S615
SELECTOR
J635
J637
J636
J634
J632
J638
J633
J631
J630
J629
R691
R690
D654
Q609
Q610
H605A/W605
1 2 3 4 5 6
H602/W602
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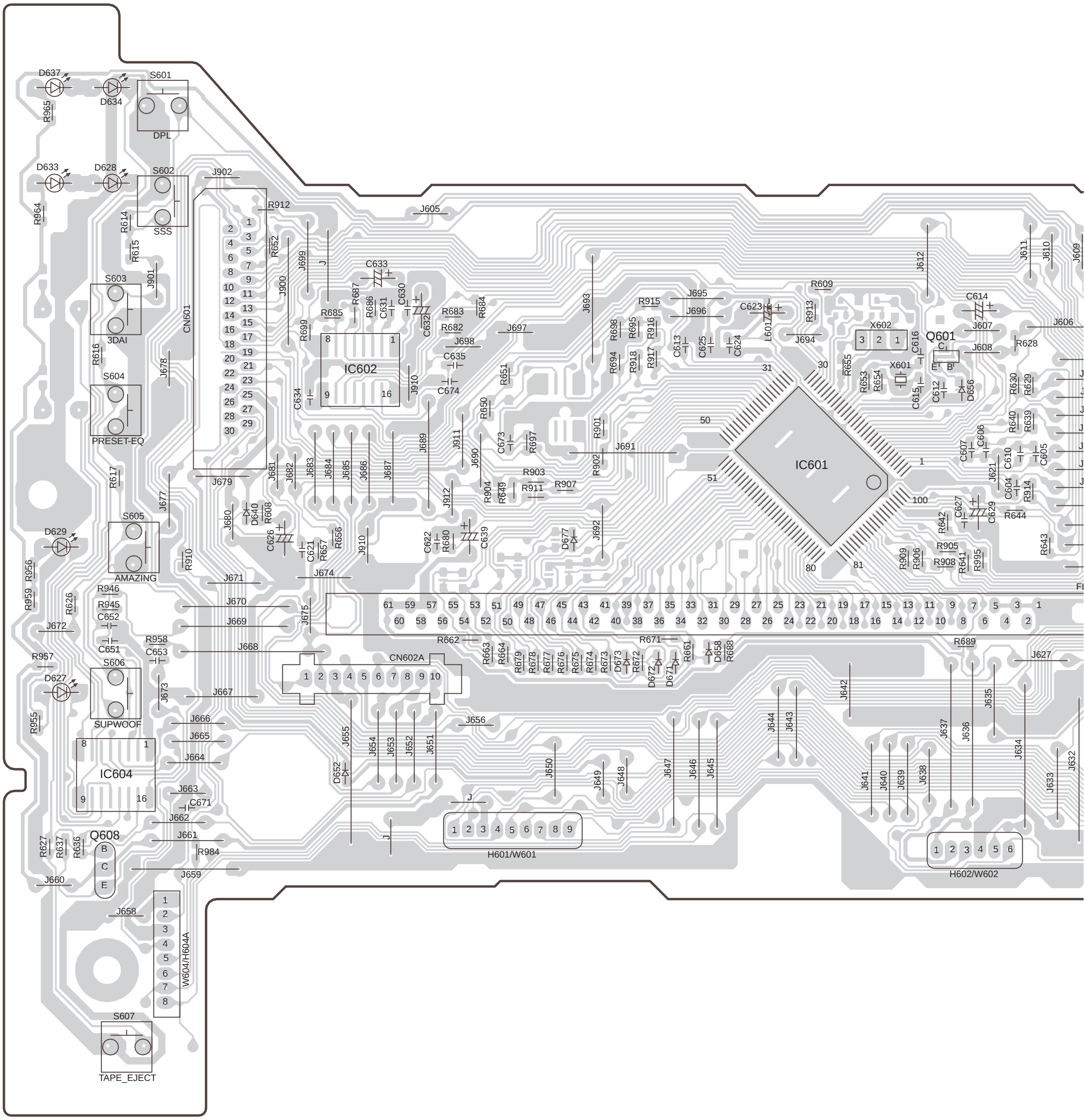
D PANEL P.C.B. (REP3075B...GCP)
(REP3075C...GC/GCS/GK)
(REP3075D...GN)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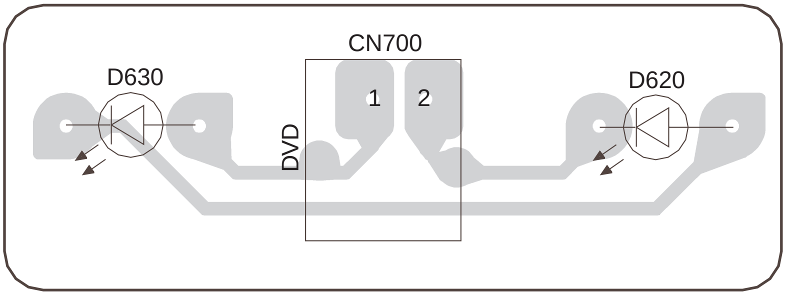
DPL
R965
D633
D628
S602
SSS
J902
R912
R964
R614
R615
J605
S603
3DAI
J901
CN601
R652
J699
J900
C633
R685
R687
R686
C631
C630
C632
R683
R684
R682
J697
J698
C635
C674
R699
IC602
J910
C634
R616
S604
PRESET-EQ
J678
J693
R915
J695
J696
C623
R913
J694
R609
C614
X602
Q601
J607
J606
J608
R628
C616
X601
J612
J611
J610
J609
R698
R695
R916
R694
R918
R917
C613
C625
C624
L601
R655
R653
R654
C615
C612
D656
R630
R629
R651
R650
R901
J691
IC601
R902
R903
R911
R907
R904
R649
C673
R897
J911
J690
J912
J689
R640
R639
C607
C606
C610
C605
R621
C604
R914
C627
C629
R642
R644
R643
R905
R909
R906
R908
R641
R995
R617
J677
J679
J681
J682
J683
J684
J685
J686
J687
J680
D640
R608
C626
C621
R657
R656
J910
C622
R680
C639
D677
J692
S605
AMAZING
D629
R910
J671
J674
R956
R959
R626
R946
R945
C652
C651
J672
J670
J669
J675
J668
R958
C653
R957
S606
SUPWOOF
D627
J673
J667
R662
R671
R689
J627
R663
R664
R679
R678
R677
R676
R675
R674
R673
D673
R672
D672
D671
R661
D658
R688
CN602A
J642
J644
J643
J637
J636
J635
J634
J632
J633
R955
J666
J665
J664
IC604
J663
C671
J662
J661
R984
J659
J660
Q608
R627
R637
R636
J658
J655
J654
J653
J652
J651
J656
D652
J650
J649
J648
J647
J646
J645
J641
J640
J639
J638
H601/W601
H602/W602
W604/H604A
S607
TAPE_EJECT

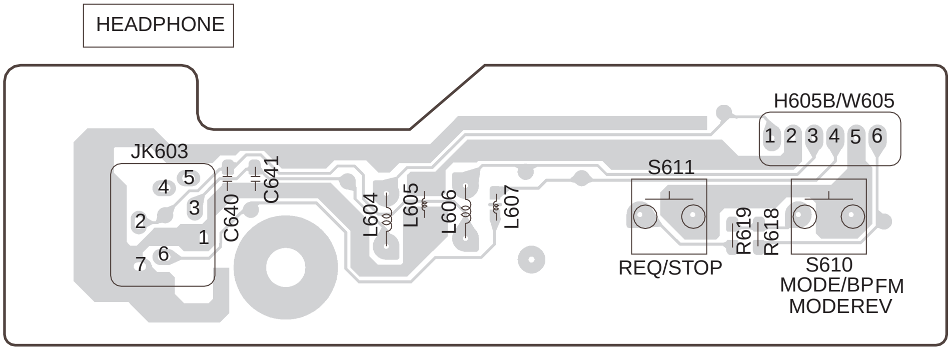
A B C D E F G

1 2 3 4 5 6 7 8 9

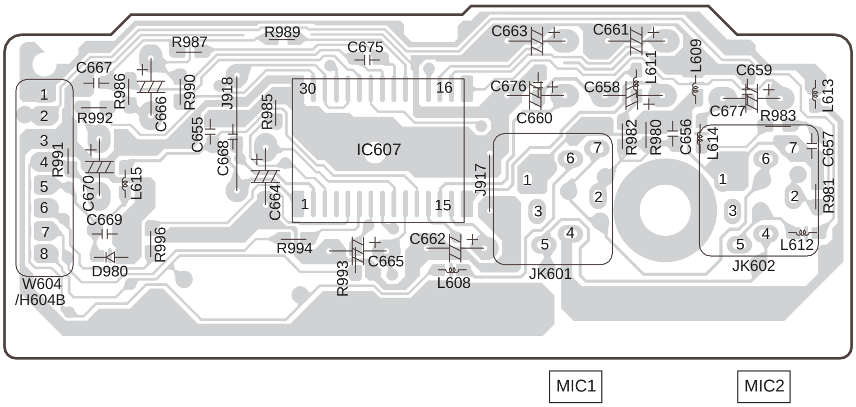
P LED P.C.B. (REP3075B...GCP)
(REP3075C...GCS/GC/GK)
(REP3075D...GN)


CN700
D630
1
2
D620
DVD

Q HEADPHONE P.C.B. (REP3075B...GCP)
(REP3075C...GCS/GC/GK)
(REP3075D...GN)

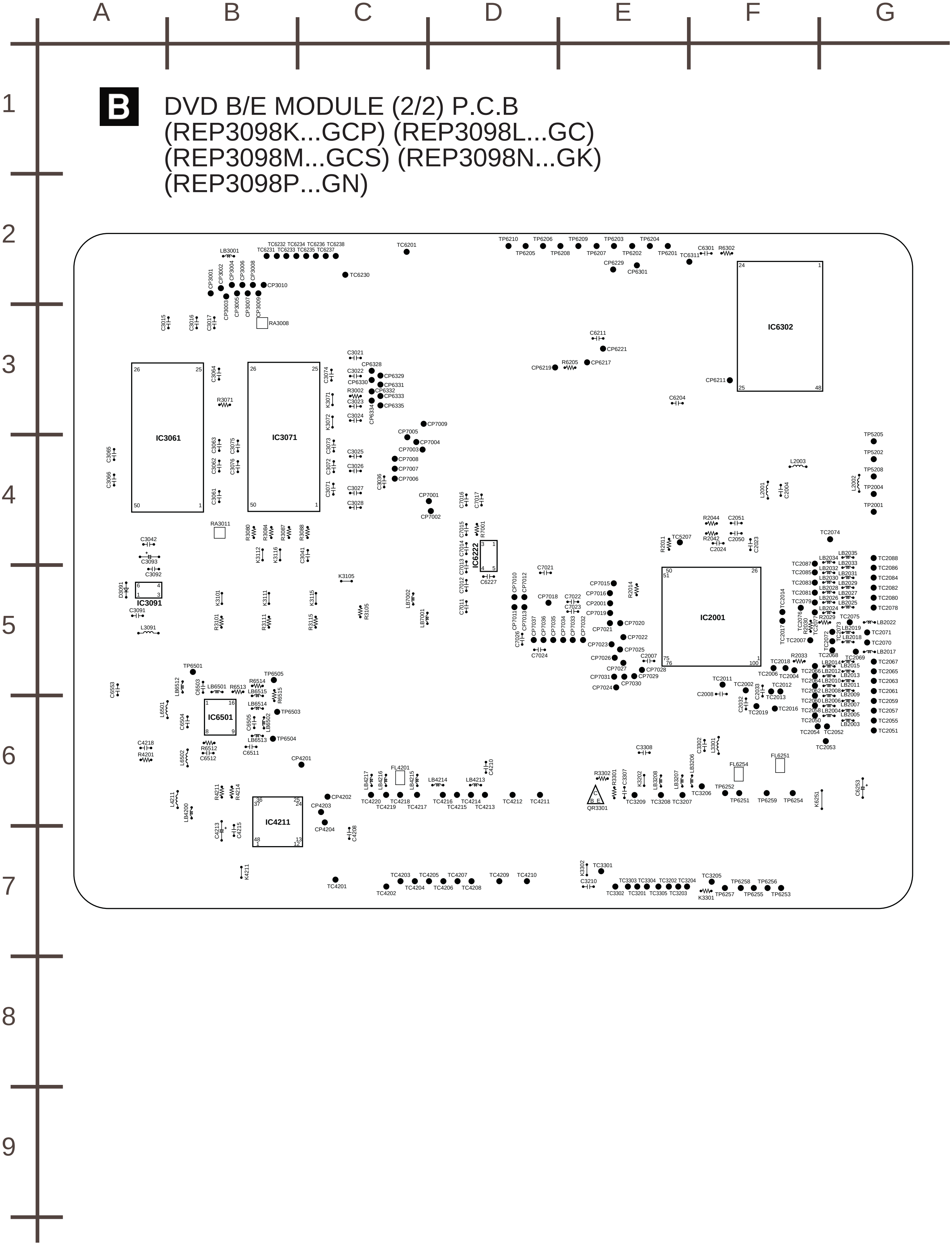

HEADPHONE
H605B/W605
1 2 3 4 5 6
JK603
5
4
3
2
1
6
7
C640
C641
L604
L605
L606
L607
S611
R619
R618
REQ/STOP
S610
MODE/BPFM
MODEREV

S MIC P.C.B. (REP3075C...GC/GCS/GK)


R987
R989
C675
C663
C661
C667
R986
C666
R990
J918
30
16
C676
C658
L611
L609
C659
L613
1
2
3
4
5
6
7
8
R992
R991
C655
C668
R985
IC607
C660
C677
R983
C670
L615
C664
J917
R982
R980
C656
L614
C657
R981
C669
D980
R996
1
15
R994
R993
C665
C662
L608
JK601
JK602
L612
W604
/H604B
MIC1
MIC2

B

DVD B/E MODULE (2/2) P.C.B
(REP3098K...GCP) (REP3098L...GC)
(REP3098M...GCS) (REP3098N...GK)
(REP3098P...GN)


A
B
C
D
E
F
G
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4
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6
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8
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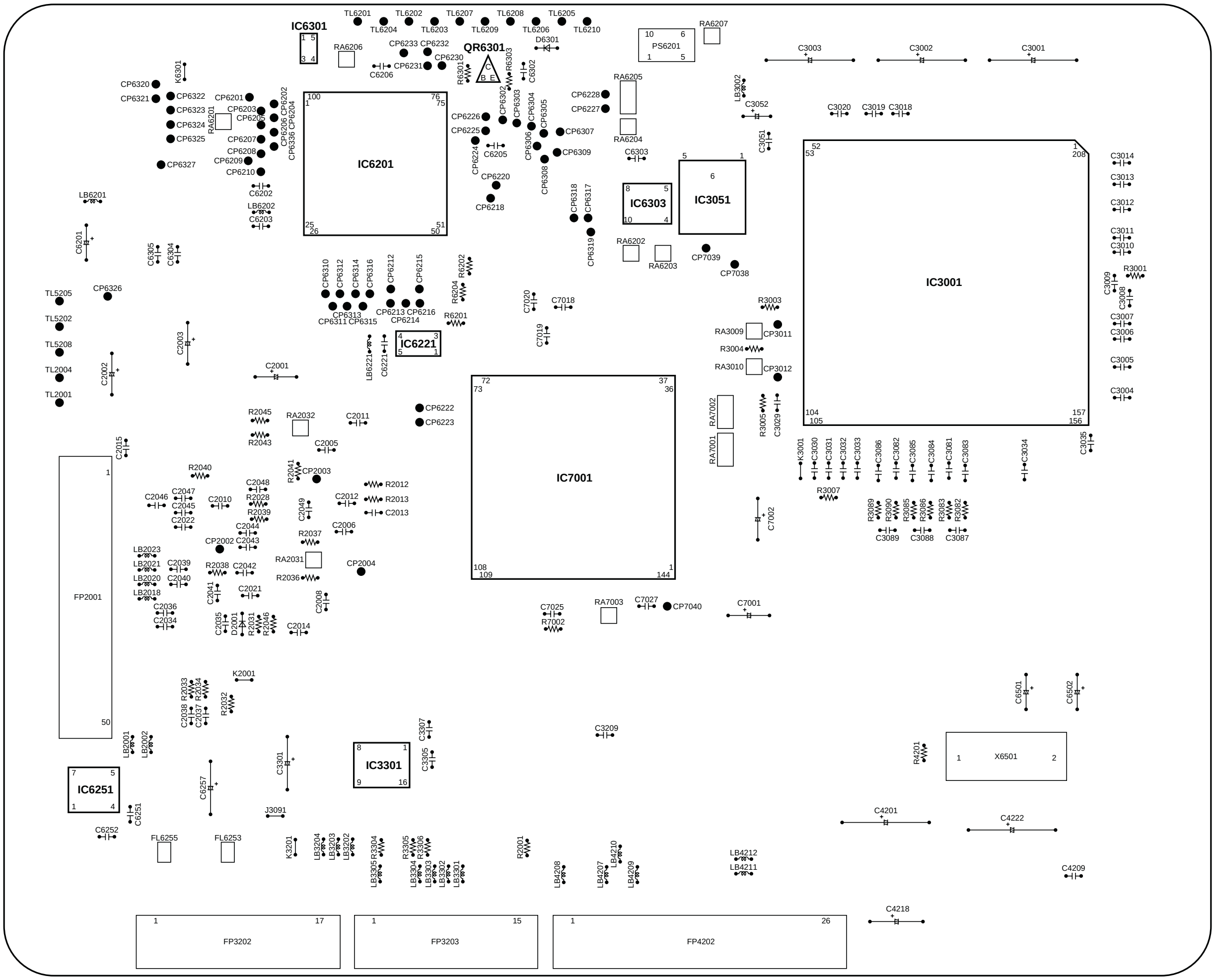
IC3061
IC3071
IC3091
IC6222
IC6302
IC2001
IC6501
IC4211
QR3301
LB3001
TC6232 TC6234 TC6236 TC6238
TC6231 TC6233 TC6235 TC6237
TC6201
TC6230
CP3001 CP3002 CP3004 CP3006 CP3008
CP3003 CP3005 CP3007 CP3009
CP3010
RA3008
RA3011
C3015 C3016 C3017
TP6210 TP6206 TP6209 TP6203 TP6204
TP6205 TP6208 TP6207 TP6202 TP6201
C6301 R6302
TC6311
CP6229
CP6301
C6211
CP6221
R6205
CP6219
CP6217
CP6211
C6204
C3064 C3074
R3071
C3021 C3022 C3023 C3024 C3025 C3026 C3027 C3028
CP6328 CP6329 CP6330 CP6331 CP6332 CP6333 CP6334 CP6335
R3002
K3071 K3072
C3063 C3075 C3062 C3076 C3061
C3073 C3072 C3071
C3065 C3066
C3036
CP7009 CP7005 CP7004 CP7003 CP7008 CP7007 CP7006
CP7001 CP7002
C7016 C7017 C7015 R7001
C7014 C7013 C7012 C7011
C6227
TP5205 TP5202 TP5208 TP2004 TP2001
L2003 L2001 C2004 L2002
R2044 C2051 R2042 C2050 C2024 C2023
R2011 TC5207
TC2074
C3042 C3093 C3092
D3091 C3091 L3091
R3080 R3084 R3087 R3088
K3112 K3116 C3041
K3105
K3101 K3111 K3115
R3101 R3111 R3115
R3105
LB7002 LB7001
C7021
CP7010 CP7012 CP7011 CP7013
CP7015 CP7016 CP2001 CP7019
CP7018 C7022 C7023
R2014
C7026 CP7037 CP7036 CP7035 CP7034 CP7033 CP7032
C7024
CP7020 CP7021 CP7022 CP7023 CP7025 CP7026 CP7027 CP7028 CP7029 CP7030 CP7031 CP7024
C2007
TC2087 TC2085 TC2083 TC2081 TC2079
LB2034 LB2035 LB2032 LB2033 LB2030 LB2031 LB2028 LB2029 LB2026 LB2027 LB2024 LB2025
TC2088 TC2086 TC2084 TC2082 TC2080 TC2078
TC2014 TC2076 R2030 TC2077 R2029 TC2075 LB2022
TC2017 TC2007 TC2072 TC2073 LB2019 LB2018 TC2071 TC2070
TC2068 TC2069 LB2017
R2033 TC2018 TC2006 TC2004 TC2066 LB2014 LB2015 LB2012 LB2013 LB2010 LB2011 LB2008 LB2009 LB2006 LB2007 LB2004 LB2005 LB2003
TC2064 TC2062 TC2060 TC2058 TC2050 TC2054 TC2052 TC2053
TC2067 TC2065 TC2063 TC2061 TC2059 TC2057 TC2055 TC2051
TC2011 C2008 TC2002 C2033 TC2012 TC2013 C2032 TC2019 TC2016
TP6501 TP6505 TP6503 TP6504
LB6512 C6503 LB6501 R6513 R6514 LB6515 R6515 LB6514 LB6502
C6553 L6501 C6504 C6505 LB6513 C6511
C4218 R4201 L6502 R6512 C6512
CP4201 CP4202 CP4203 CP4204
L4211 LB4200 R4211 R4214
C4213 C4215 C4208
K4211 TC4201
LB4217 LB4216 FL4201 LB4215 LB4214 LB4213 C4210
TC4220 TC4219 TC4218 TC4217 TC4216 TC4215 TC4214 TC4213 TC4212 TC4211
TC4203 TC4205 TC4207 TC4209 TC4210
TC4202 TC4204 TC4206 TC4208
C3308 C3302 L3301
R3302 R3301 C3307 K3202 LB3208 LB3207 LB3206
TC3209 TC3208 TC3207 TC3206
FL6254 FL6251
TP6252 TP6251 TP6259 TP6254
K6251 C6253
K3302 TC3301 C3210
TC3303 TC3304 TC3202 TC3204
TC3302 TC3201 TC3305 TC3203
TC3205 K3301
TP6258 TP6256 TP6257 TP6255 TP6253

A B C D E F G

1 2 3 4 5 6 7 8 9

B

DVD B/E MODULE (1/2) P.C.B
(REP3098K...GCP) (REP3098L...GC)
(REP3098M...GCS) (REP3098N...GK)
(REP3098P...GN)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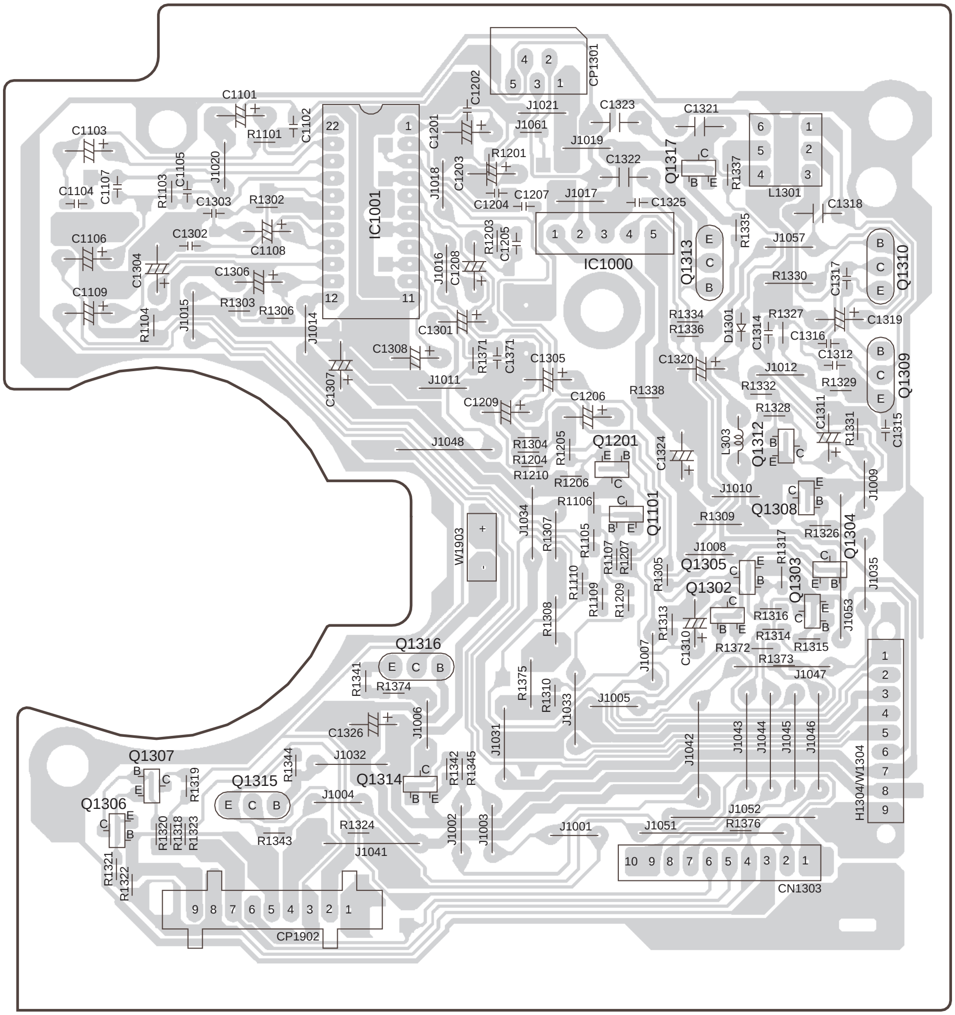
TL6201 TL6202 TL6207 TL6208 TL6205
TL6204 TL6203 TL6209 TL6206 TL6210
RA6206
CP6233 CP6232
QR6301
D6301
PS6201 10 6 1 5
RA6207
C3003 C3002 C3001
CP6231 CP6230
C6206
R6301 R6303 C6302
C B E
CP6320 CP6321 K6301
CP6322 CP6323 CP6324 CP6325
RA6201
CP6201 CP6203 CP6205 CP6207 CP6208 CP6209 CP6210
CP6206 CP6336 CP6202 CP6204
CP6327
IC6201 100 1 76 75 25 26 51 50
C6202 LB6202 C6203
LB6201
C6201
CP6226 CP6225 CP6224
CP6302 CP6303 CP6304 CP6305 CP6306 CP6308
CP6307 CP6309
C6205
CP6220 CP6218
CP6228 CP6227
RA6205 RA6204
C6303
IC6303 8 5 10 4
IC3051 5 1 6
LB3002 C3052 C3051
C3020 C3019 C3018
IC3001 52 53 1 208 104 105 157 156
C3014 C3013 C3012 C3011 C3010 C3009 C3008 R3001 C3007 C3006 C3005 C3004
CP6318 CP6317 CP6319
RA6202 RA6203
CP7039 CP7038
C6305 C6304
TL5205 TL5202 TL5208 TL2004 TL2001
CP6326
CP6310 CP6312 CP6314 CP6316 CP6212 CP6215
CP6313 CP6311 CP6315 CP6213 CP6216 CP6214
R6202 R6204 R6201
C7020 C7018 C7019
R3003
RA3009 CP3011 R3004 RA3010 CP3012
C2003 C2002 C2001
IC6221 4 3 5 1
LB6221 C6221
IC7001 72 73 37 36 108 109 1 144
RA7002 RA7001 R3005 C3029
K3001 C3030 C3031 C3032 C3033 C3086 C3082 C3085 C3084 C3081 C3083 C3034 C3035
R3007
R3089 R3090 R3085 R3086 R3083 R3082
C3089 C3088 C3087
C7002
R2045 R2043 RA2032 C2011 CP6222 CP6223 C2005
C2015
R2040 R2041 CP2003 R2012 R2013 C2013
C2048 C2046 C2047 C2045 C2010 R2028 C2012 R2039 C2049 C2022 C2044 C2006 C2043 CP2002 R2037
LB2023 LB2021 LB2020 LB2018 C2039 C2040 R2038 C2042 RA2031 R2036 CP2004
C2036 C2034 C2041 C2021 C2008
C2035 D2001 R2031 R2046 C2014
FP2001 1 50
C7025 R7002 RA7003 C7027 CP7040 C7001
K2001
R2033 R2034 C2038 C2037 R2032
LB2001 LB2002
IC3301 8 1 9 16
C3307 C3305 C3301 C3209
C6501 C6502
R4201 X6501 1 2
IC6251 7 5 1 4
C6251 C6252 C6257
J3091
FL6255 FL6253
K3201 LB3204 LB3203 LB3202 R3304 R3305 R3306
LB3305 LB3304 LB3303 LB3302 LB3301
R2001
LB4208 LB4207 LB4210 LB4209
LB4212 LB4211
C4201 C4222 C4209 C4218
FP3202 1 17
FP3203 1 15
FP4202 1 26

E DECK P.C.B. (REP3079A)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C1102
C1103
R1101
C1104
C1105
C1106
C1107
C1108
C1109
R1103
R1104
J1020
C1303
R1302
C1302
C1304
C1306
R1303
R1306
J1015
J1014
IC1001
22
1
12
11
C1201
C1202
C1203
C1204
C1205
C1207
C1208
R1201
R1203
J1018
J1016
J1021
J1061
J1019
J1017
C1323
C1322
C1325
C1321
Q1317
R1337
L1301
C1318
IC1000
1 2 3 4 5
Q1313
R1335
J1057
Q1310
R1330
C1317
C1301
C1307
C1308
R1371
C1371
C1305
J1011
C1209
C1206
R1334
R1336
D1301
C1314
R1327
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C1319
C1320
C1312
J1012
R1332
R1329
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R1338
R1328
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R1331
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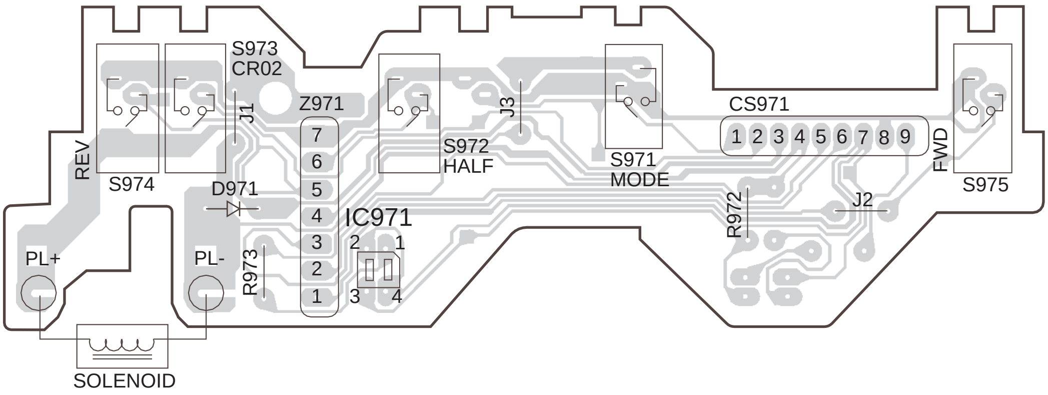
R1304
R1204
R1210
R1205
Q1201
R1206
C1324
L303
Q1312
J1010
R1106
Q1101
J1009
Q1308
R1309
W1903
J1034
R1307
R1105
R1107
R1207
R1317
R1326
Q1304
J1008
Q1305
Q1303
R1110
R1109
R1209
R1305
Q1302
J1035
R1308
R1313
C1310
R1316
R1314
R1372
R1373
R1315
J1053
Q1316
E C B
R1341
R1374
R1375
R1310
J1033
J1007
J1005
J1047
H1304/W1304
1 2 3 4 5 6 7 8 9
C1326
J1006
J1031
J1042
J1043
J1044
J1045
J1046
Q1307
R1319
Q1315
R1344
J1032
Q1314
R1342
R1345
Q1306
R1320
R1318
R1323
J1004
R1324
R1343
J1002
J1003
J1001
J1051
J1052
R1376
J1041
R1321
R1322
10 9 8 7 6 5 4 3 2 1
CN1303
9 8 7 6 5 4 3 2 1
CP1902

F DECK MECHANISM P.C.B. (REPX0108)


S973
CR02
J1
Z971
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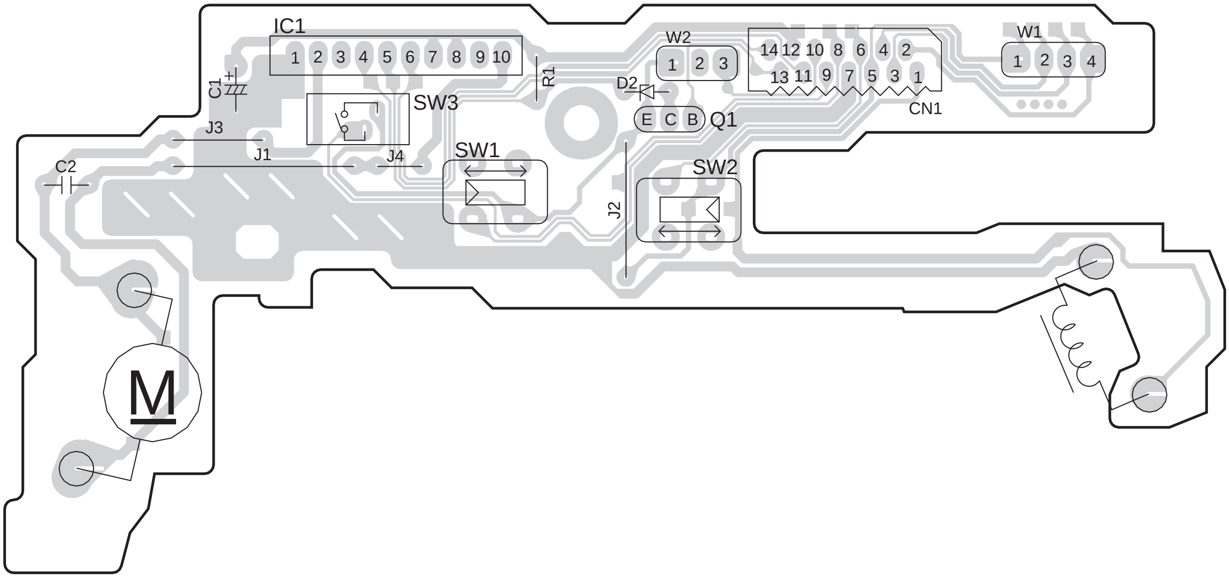
4
3
2
1
S972
HALF
J3
S971
MODE
CS971
1 2 3 4 5 6 7 8 9
FWD
S975
REV
S974
D971
IC971
2 1
3 4
R972
J2
PL+
PL-
R973
SOLENOID

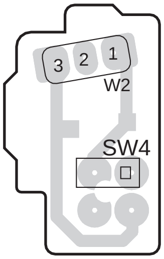
A B C D E F G

1 2 3 4 5 6 7 8 9

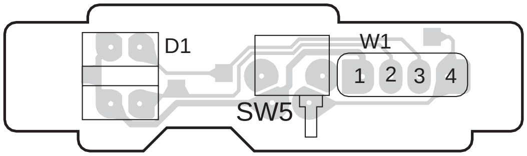
I CD LOADING P.C.B (REP2578A-N)

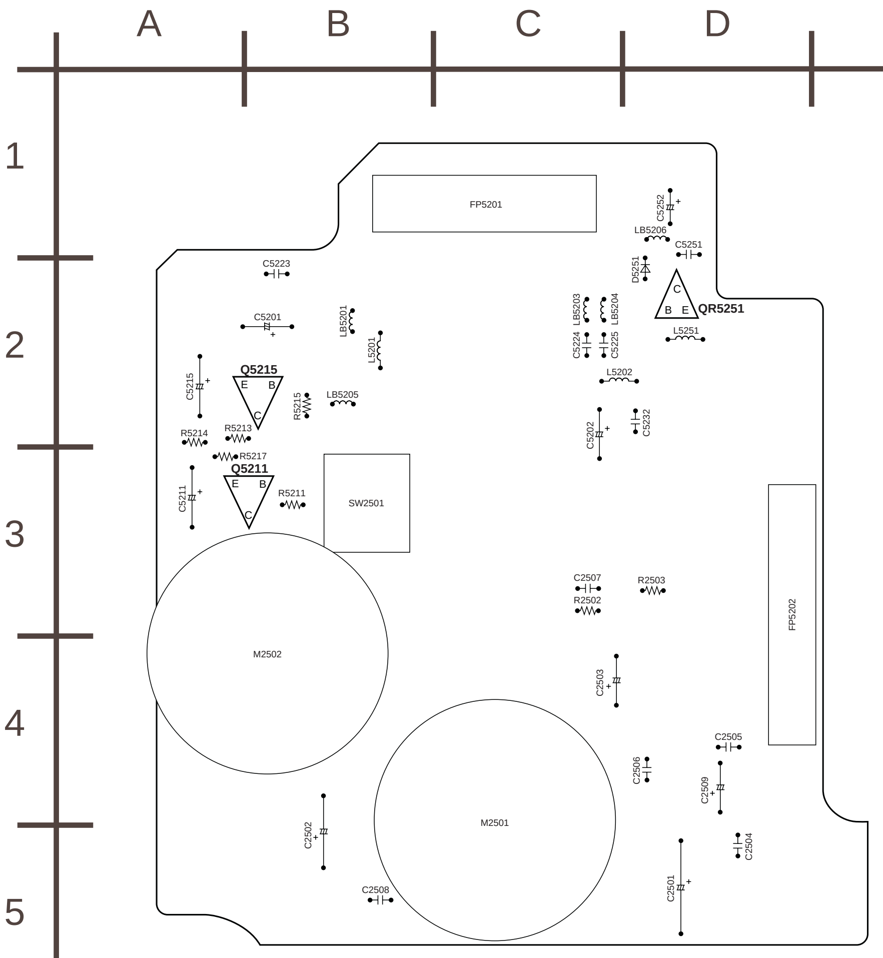

IC1
1 2 3 4 5 6 7 8 9 10
C1
SW3
R1
D2
W2
1 2 3
14 12 10 8 6 4 2
13 11 9 7 5 3 1
CN1
W1
1 2 3 4
E C B
Q1
J3
J1
J4
C2
SW1
J2
SW2
M

J CD DETACT P.C.B (REP2578A-N)



K SPINDLE POSITION P.C.B (REP2578A-N)


D1
W1
1 2 3 4
SW5


A
B
C
D
E
F
G
1
2
3
4
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FP5201
C5252
LB5206
C5251
D5251
C
B
E
QR5251
LB5203
LB5204
C5224
C5225
L5251
L5202
C5223
C5201
LB5201
L5201
C5215
Q5215
E
B
C
R5215
LB5205
R5214
R5213
R5217
C5202
C5232
Q5211
E
B
C
C5211
R5211
SW2501
C2507
R2503
R2502
M2502
FP5202
C2503
C2505
C2506
C2509
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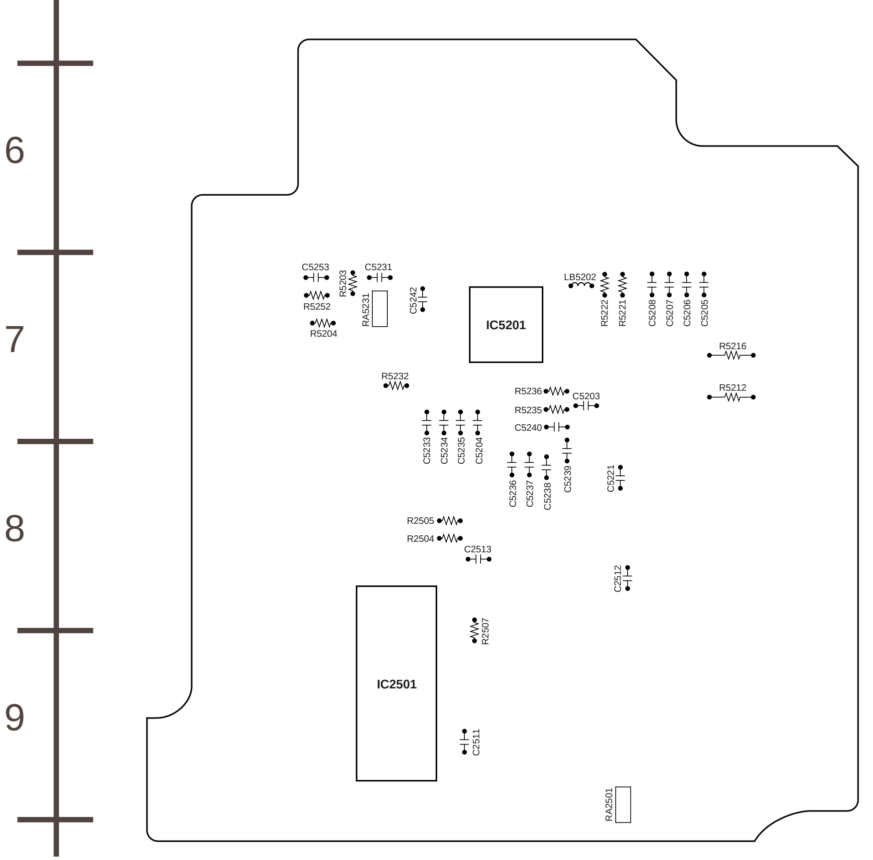
M2501
C2504
C2501
C2508

A DVD F/E MODULE (1/2) P.C.B (REP3091A-N)


6
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C5253
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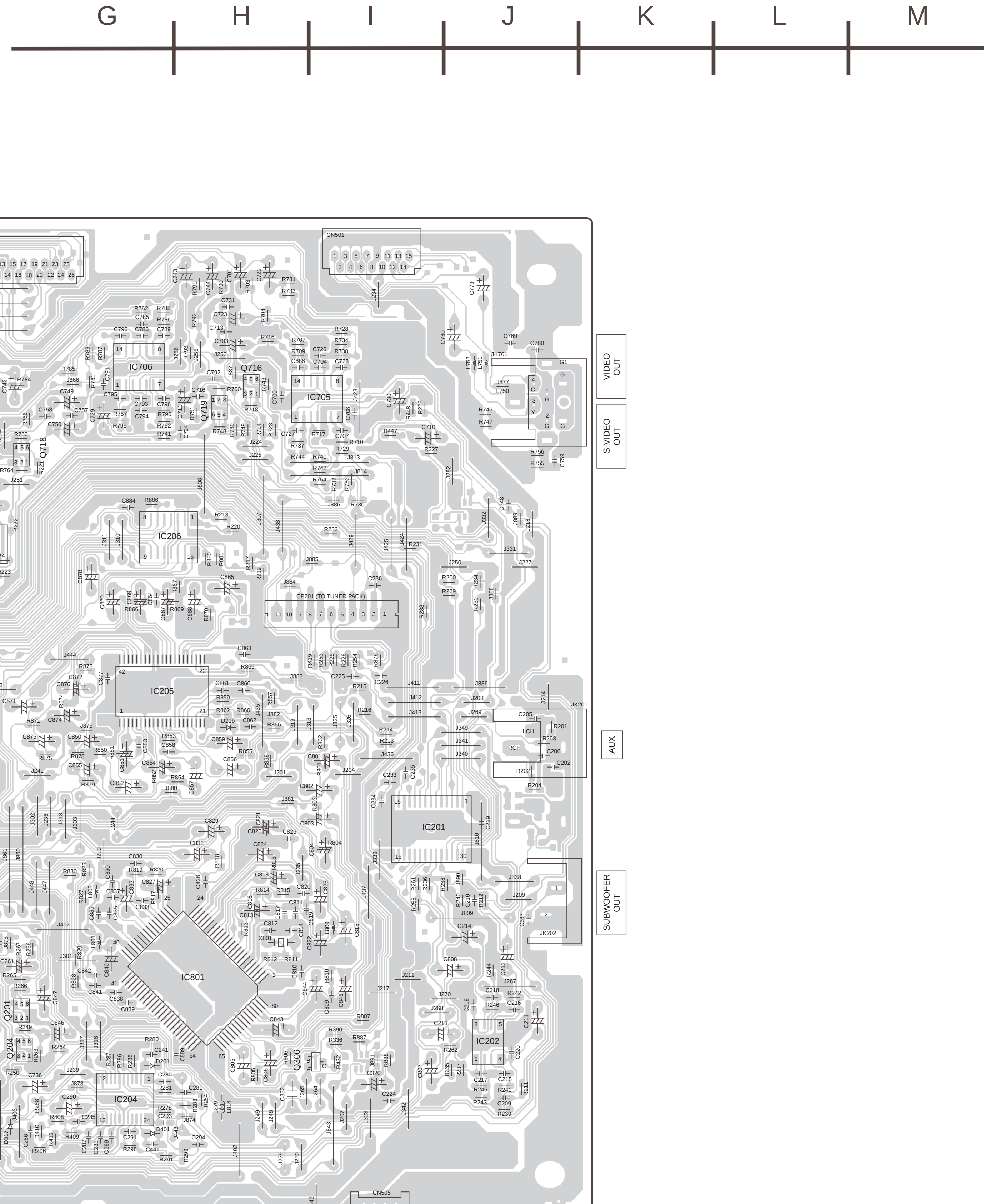
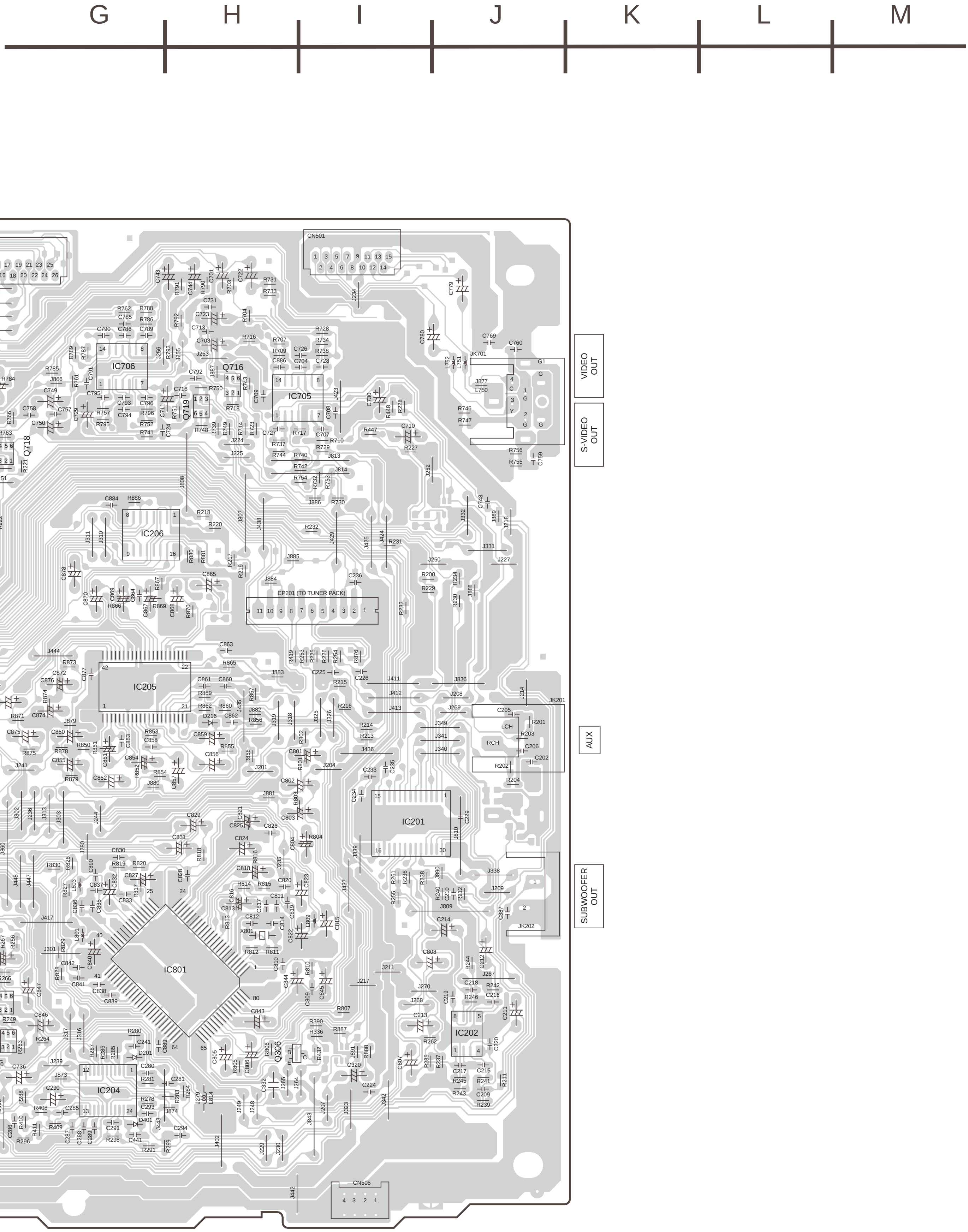
RA5231
C5242
IC5201
LB5202
R5222
R5221
C5208
C5207
C5206
C5205
R5252
R5204
R5216
R5232
R5236
C5203
R5212
R5235
C5240
C5233
C5234
C5235
C5204
C5236
C5237
C5238
C5239
C5221
R2505
R2504
C2513
C2512
R2507
IC2501
C2511
RA2501

A DVD F/E MODULE (2/2) P.C.B (REP3091A-N)


G
H
I
J
K
L
M
CN501
CP201 (TO TUNER PACK)
CN505
JK701
JK201
JK202
VIDEO OUT
S-VIDEO OUT
AUX
SUBWOOFER OUT
LCH
RCH
IC706
IC705
IC206
IC205
IC201
IC801
IC202
IC204
Q716
Q719
Q718
Q201
Q204
Q306


G
H
I
J
K
L
M
CN501
IC706
Q716
IC705
JK701
VIDEO OUT
S-VIDEO OUT
Q718
Q719
IC206
CP201 (TO TUNER PACK)
IC205
JK201
LCH
RCH
AUX
IC201
SUBWOOFER OUT
JK202
IC801
IC202
Q306
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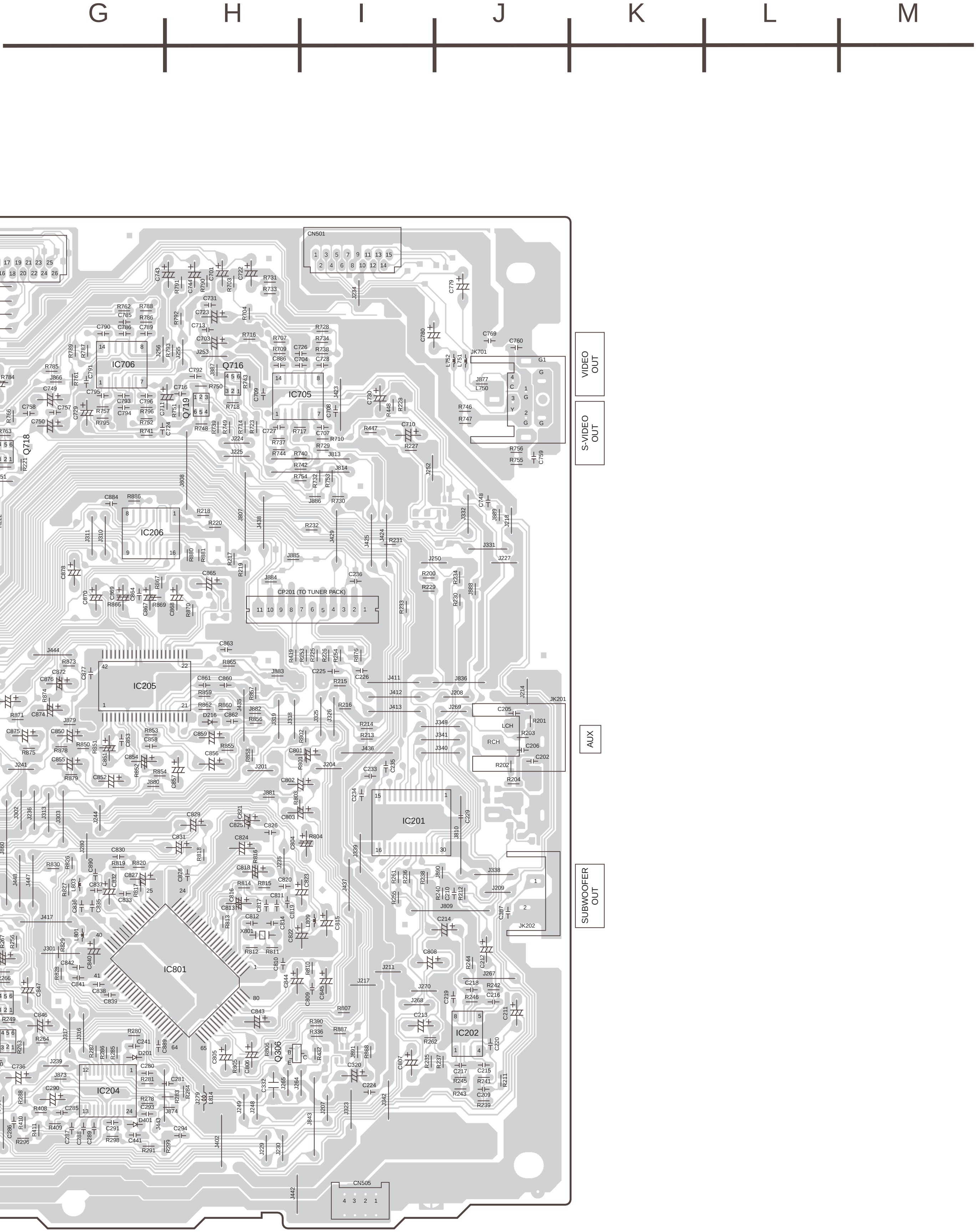
CN505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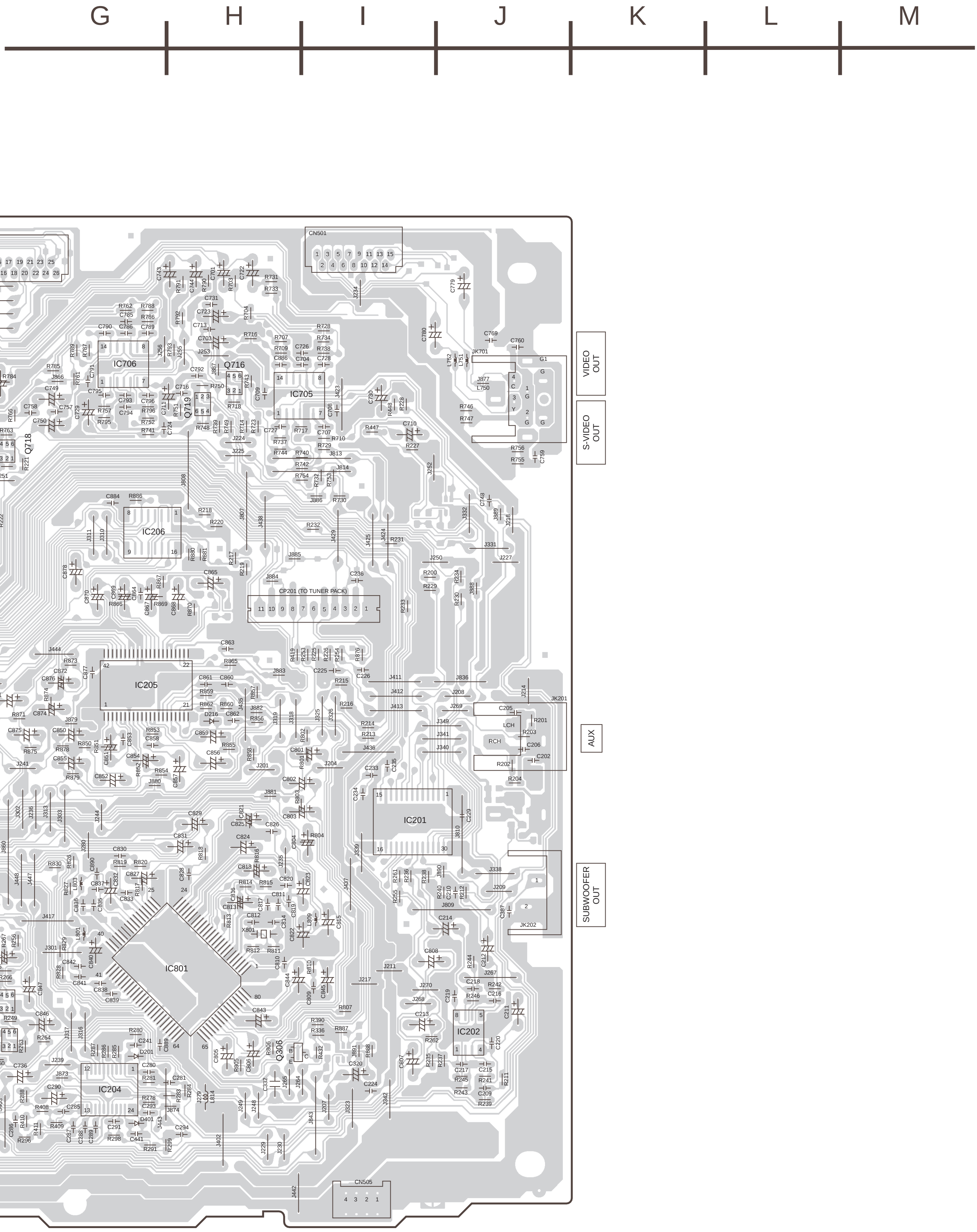
H
I
J
K
L
M
CN501
IC706
Q716
IC705
Q719
Q718
JK701
VIDEO OUT
S-VIDEO OUT
IC206
CP201 (TO TUNER PACK)
IC205
JK201
LCH
RCH
AUX
IC201
IC801
JK202
SUBWOOFER OUT
X801
Q306
IC202
IC204
Q204
CN505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J
K
L
M
CN501
CP201 (TO TUNER PACK)
CN505
JK701
JK201
JK202
VIDEO OUT
S-VIDEO OUT
AUX
SUBWOOFER OUT
LCH
RCH
IC706
IC705
IC206
IC205
IC201
IC801
IC204
IC202
Q716
Q719
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X801
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D201
D401
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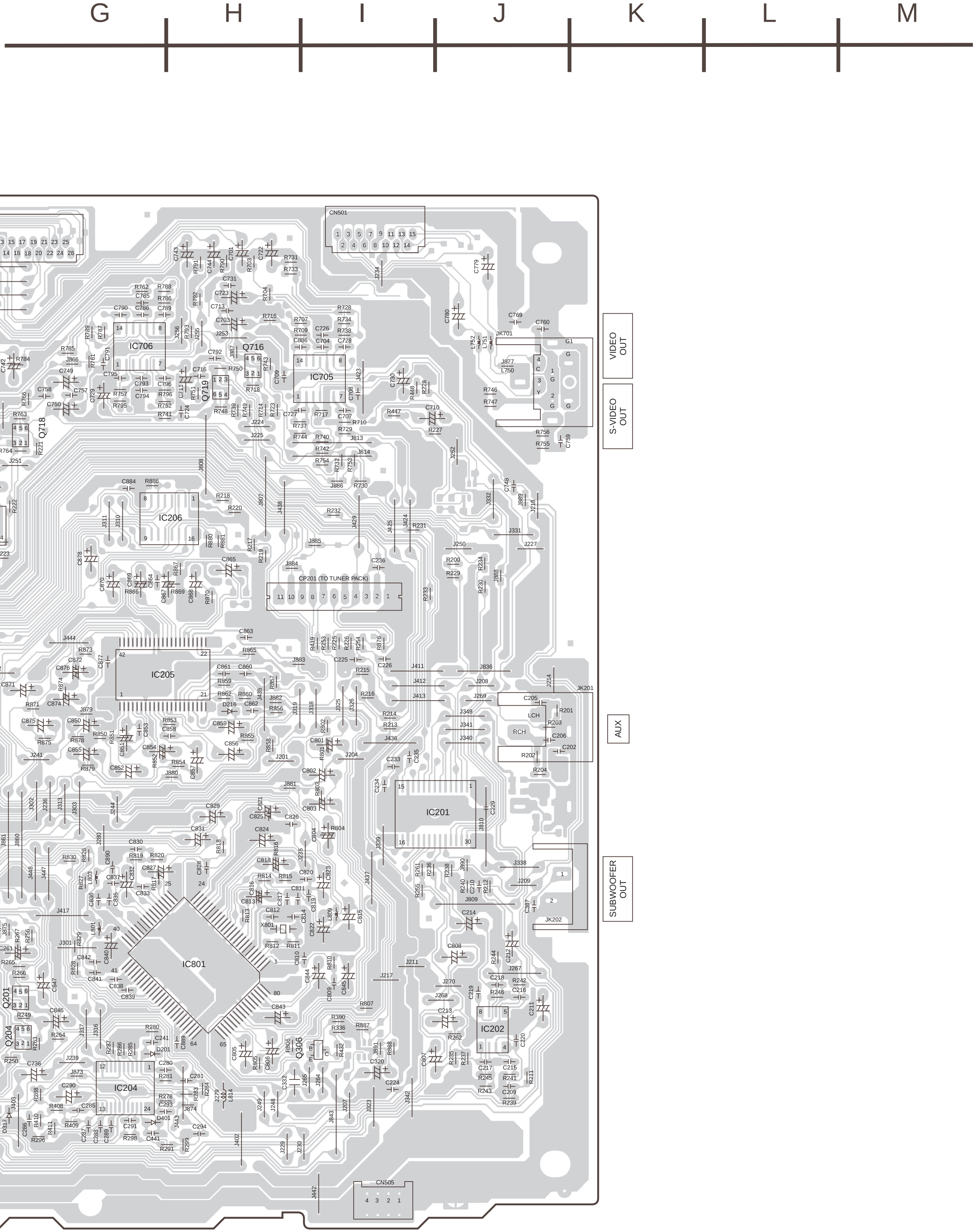
L751
L752
L801
L803
L809
L814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K
L
M
CN501
JK701
VIDEO OUT
S-VIDEO OUT
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Q716
IC705
Q719
Q718
IC206
CP201 (TO TUNER PACK)
IC205
JK201
LCH
RCH
AUX
IC201
JK202
SUBWOOFER OUT
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IC202
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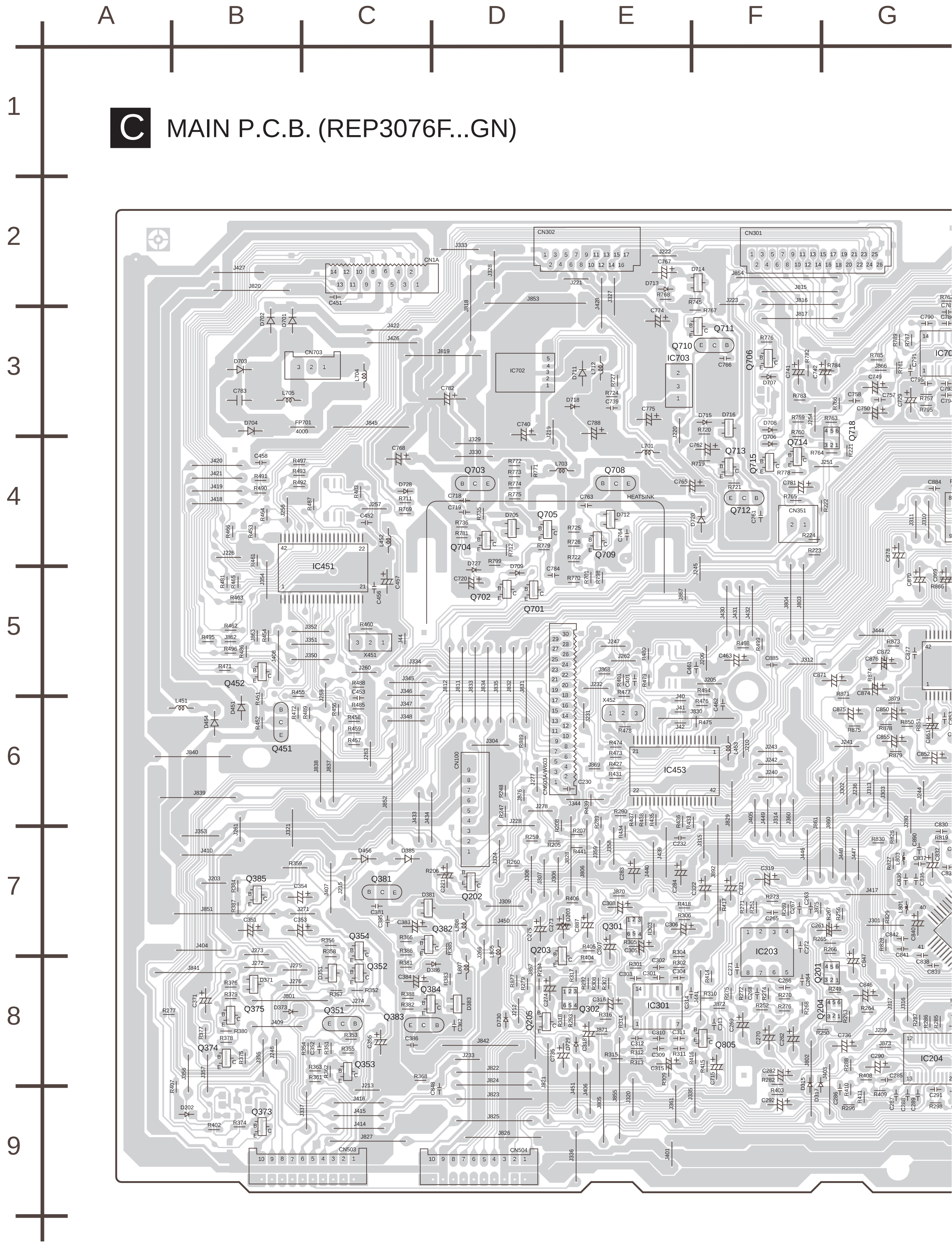
Q204
Q306
IC204
CN505

C MAIN P.C.B. (REP3076F...GN)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CN703
CN351
CN100
CN603A/W603
CN503
CN504
IC451
IC453
IC702
IC703
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IC204
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Q452
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Q384
Q385
Q805
X451
X452
FP701
4000
HEATSINK
L451
L701
L703
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D701
D702
D703
D704

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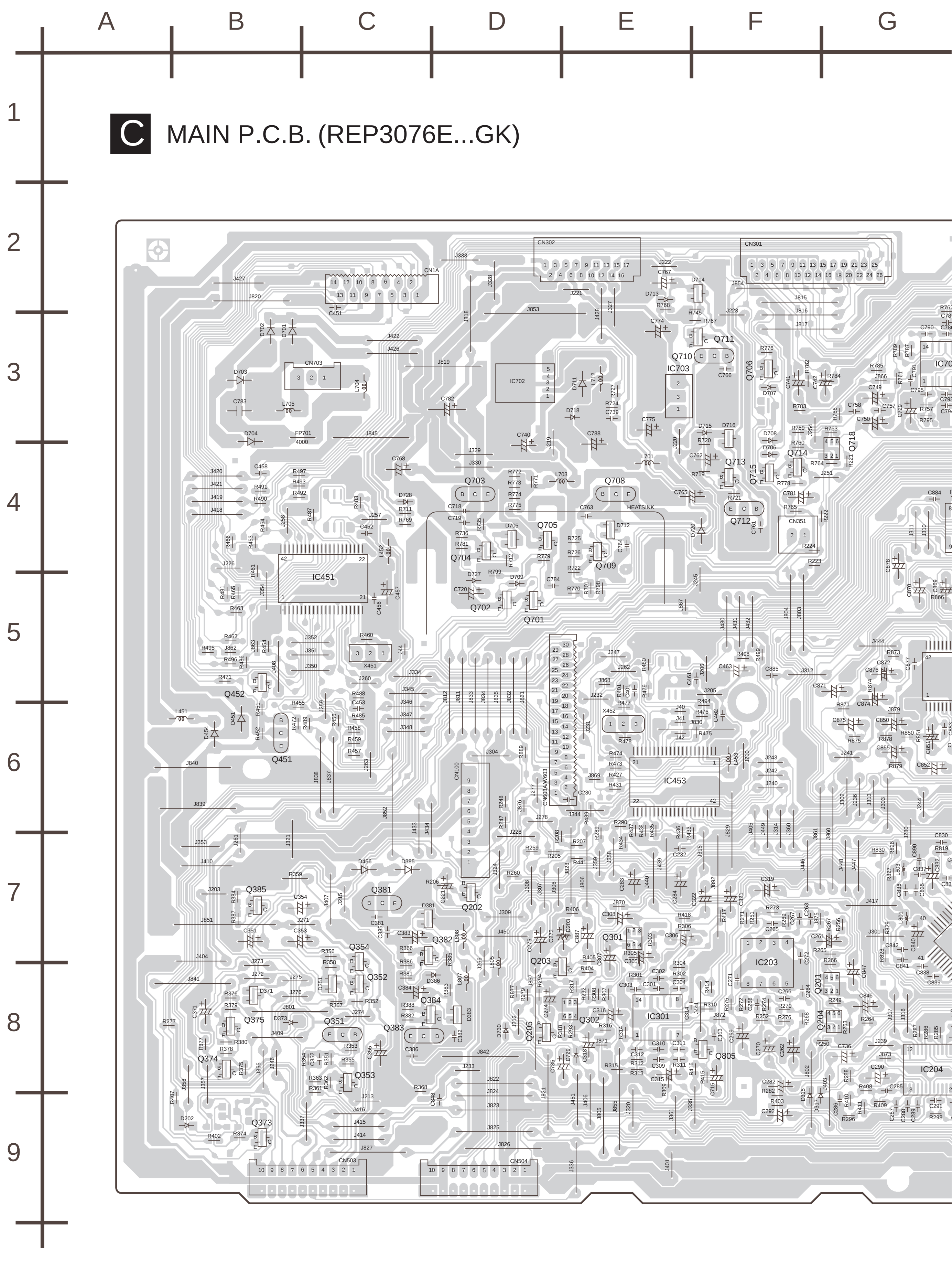
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FP701
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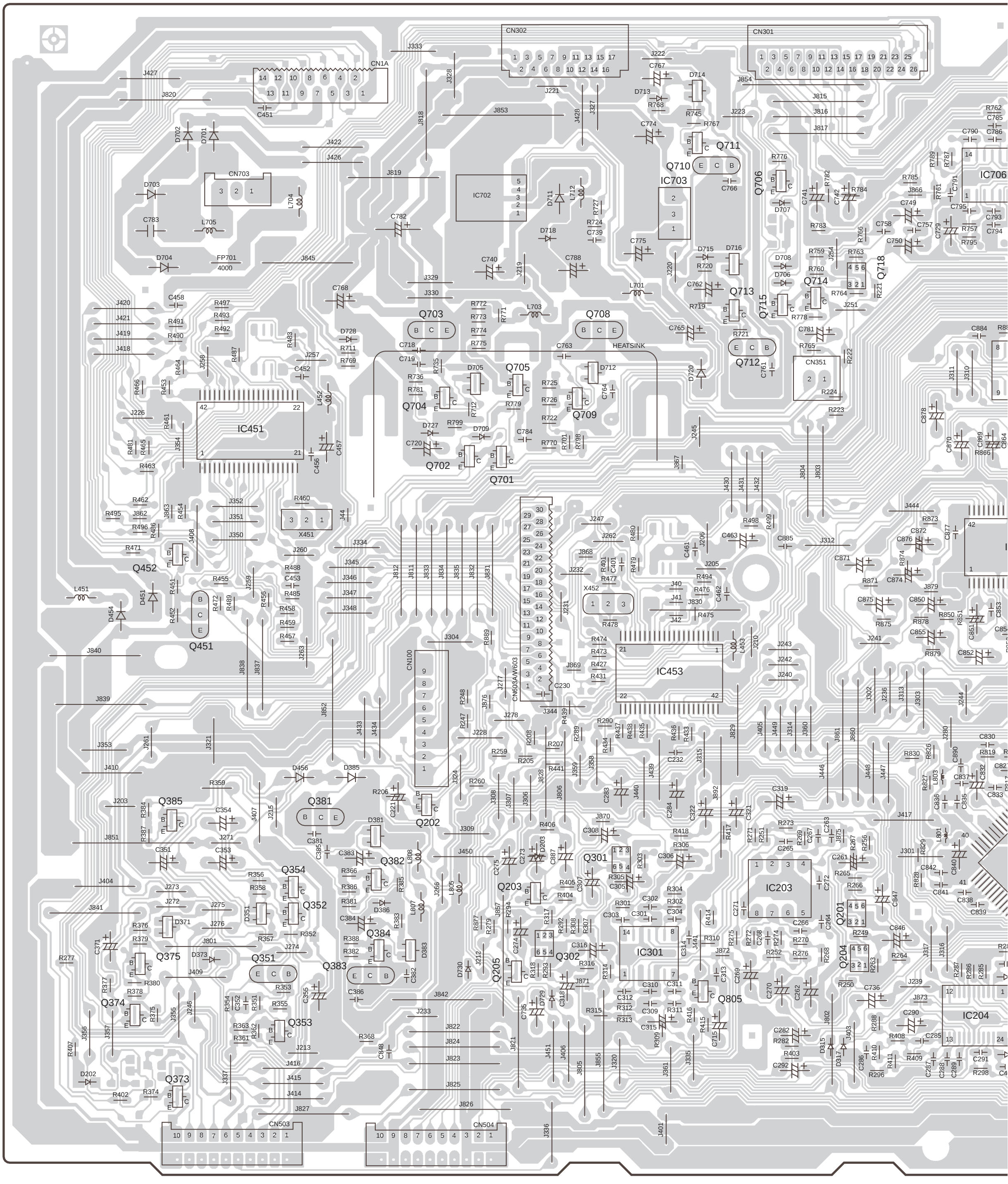
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Q202
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Q805
Q201
Q204
X451
X452
HEATSINK
FP701
4000

A
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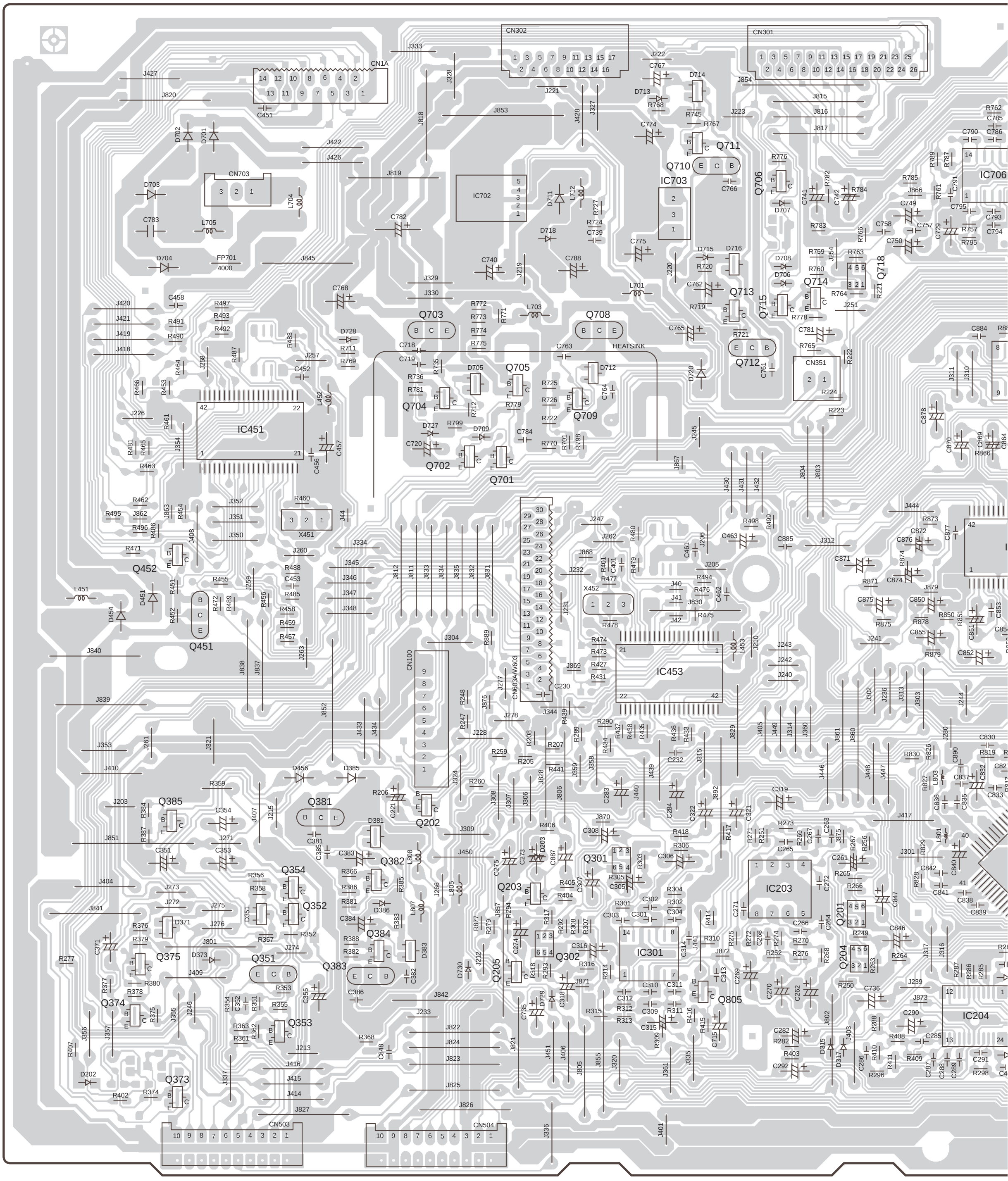
C MAIN P.C.B. (REP3076B...GCP)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CN100
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CN504
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IC204
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Q204
X451
X452
FP701
4000
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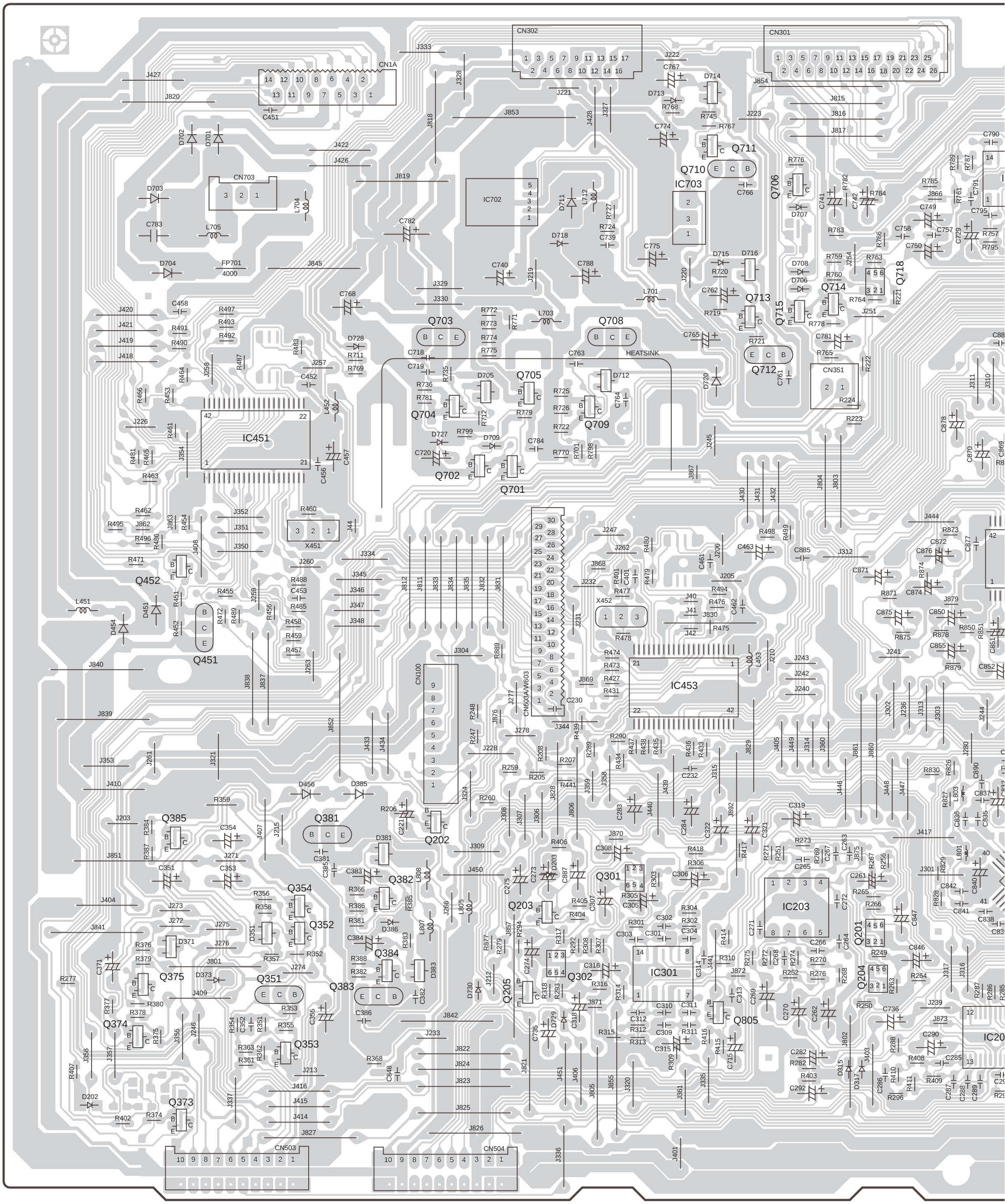
C MAIN P.C.B. (REP3076C...GC)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Q201
Q204

BU2090AF-E2 (16P)
M62457AFPE1 (16P)
M62456FPE1 (24P)
NJU7313AMT2 (30P)
M5218AFPE3 (8P)
BU4053BCF-E2 (14P)
M5228FPE1 (14P)

M62444FPE1
KM416S1DTG8T (60P)
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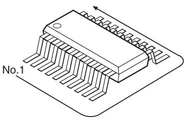

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MN67706EC (100P)
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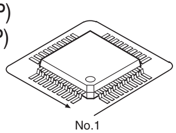

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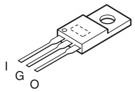

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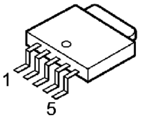

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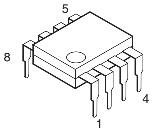

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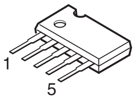

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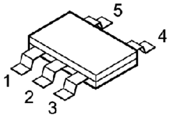

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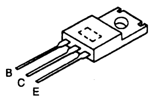

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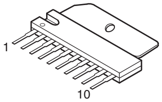

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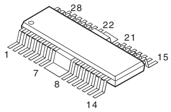
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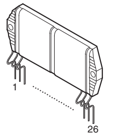

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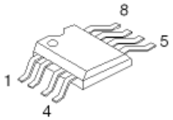

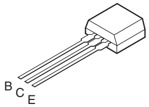

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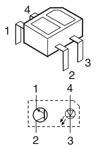

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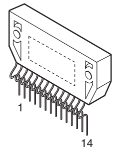

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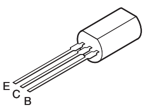

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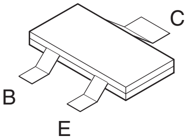

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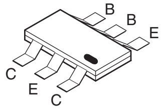

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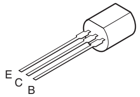

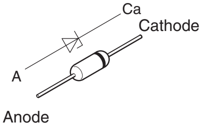
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Anode

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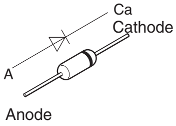
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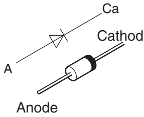
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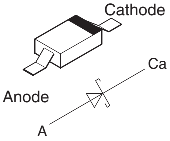
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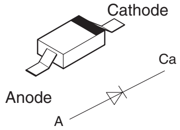
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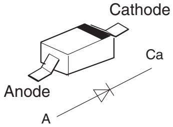
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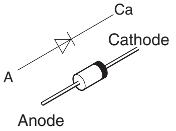
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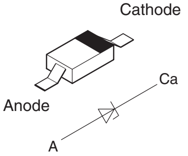
Anode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Ca
Anode
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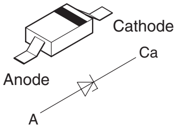
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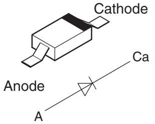
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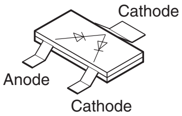
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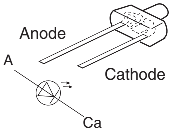
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Ca

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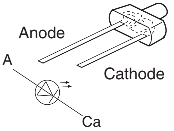
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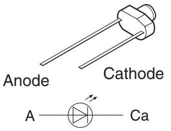
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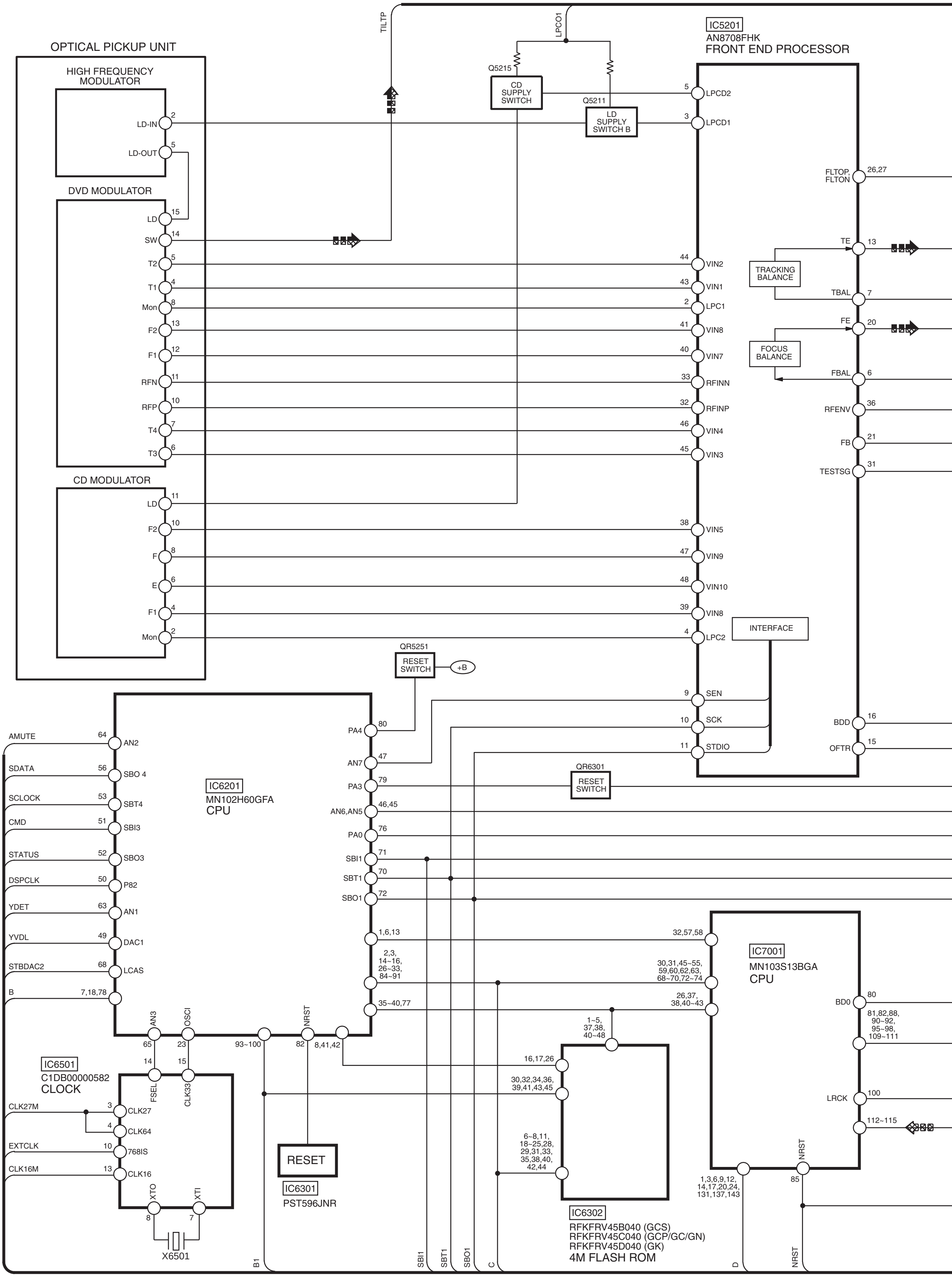
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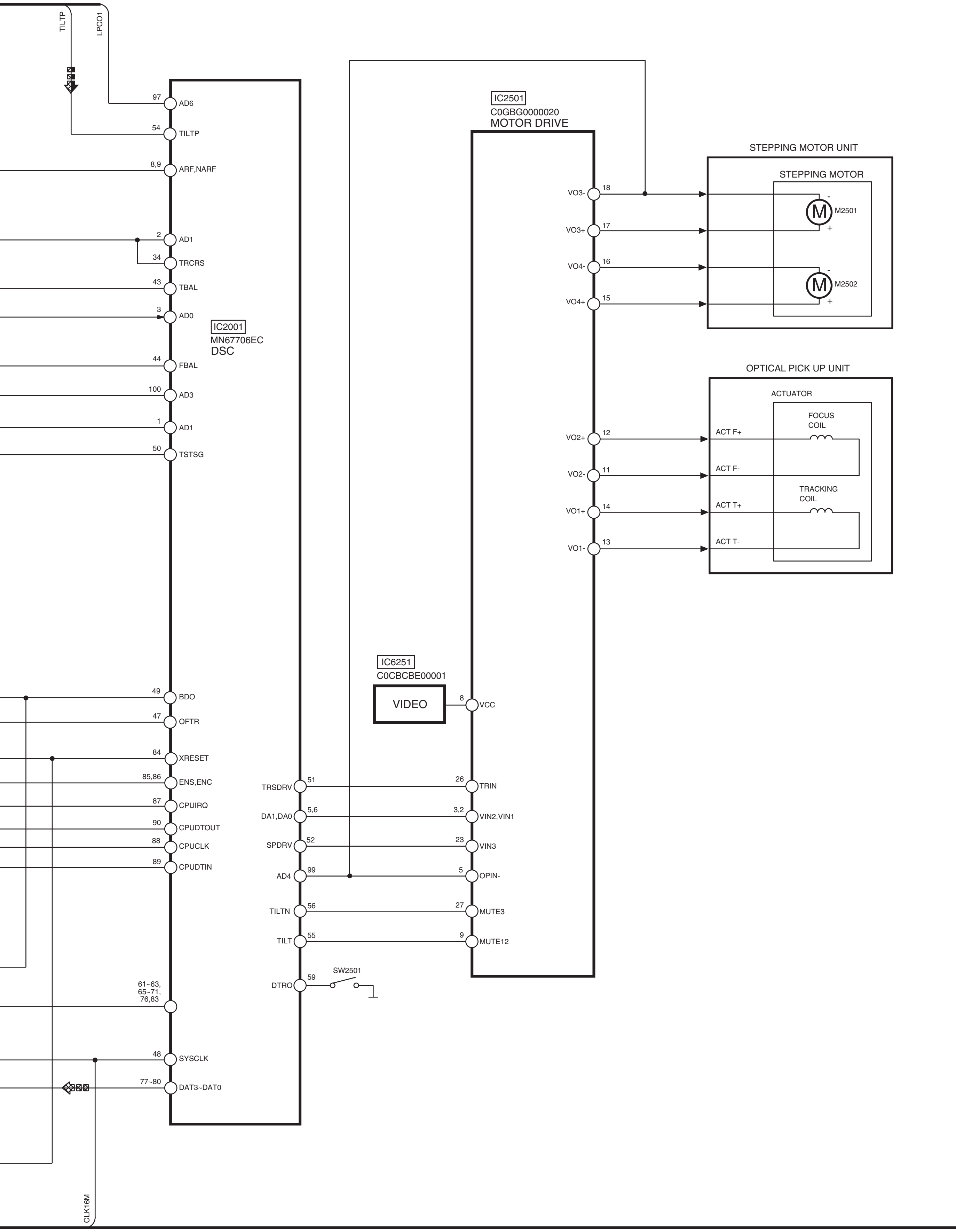
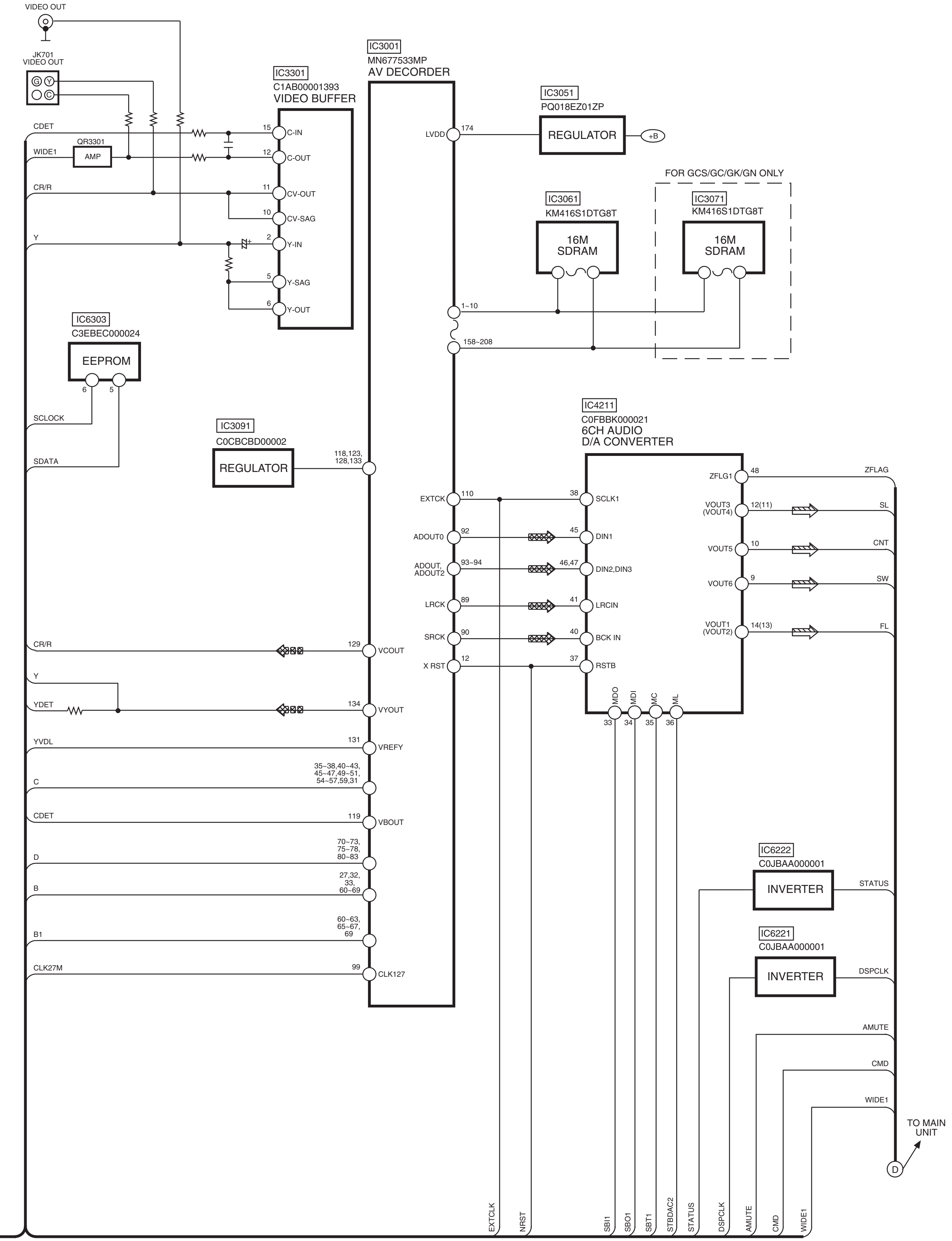
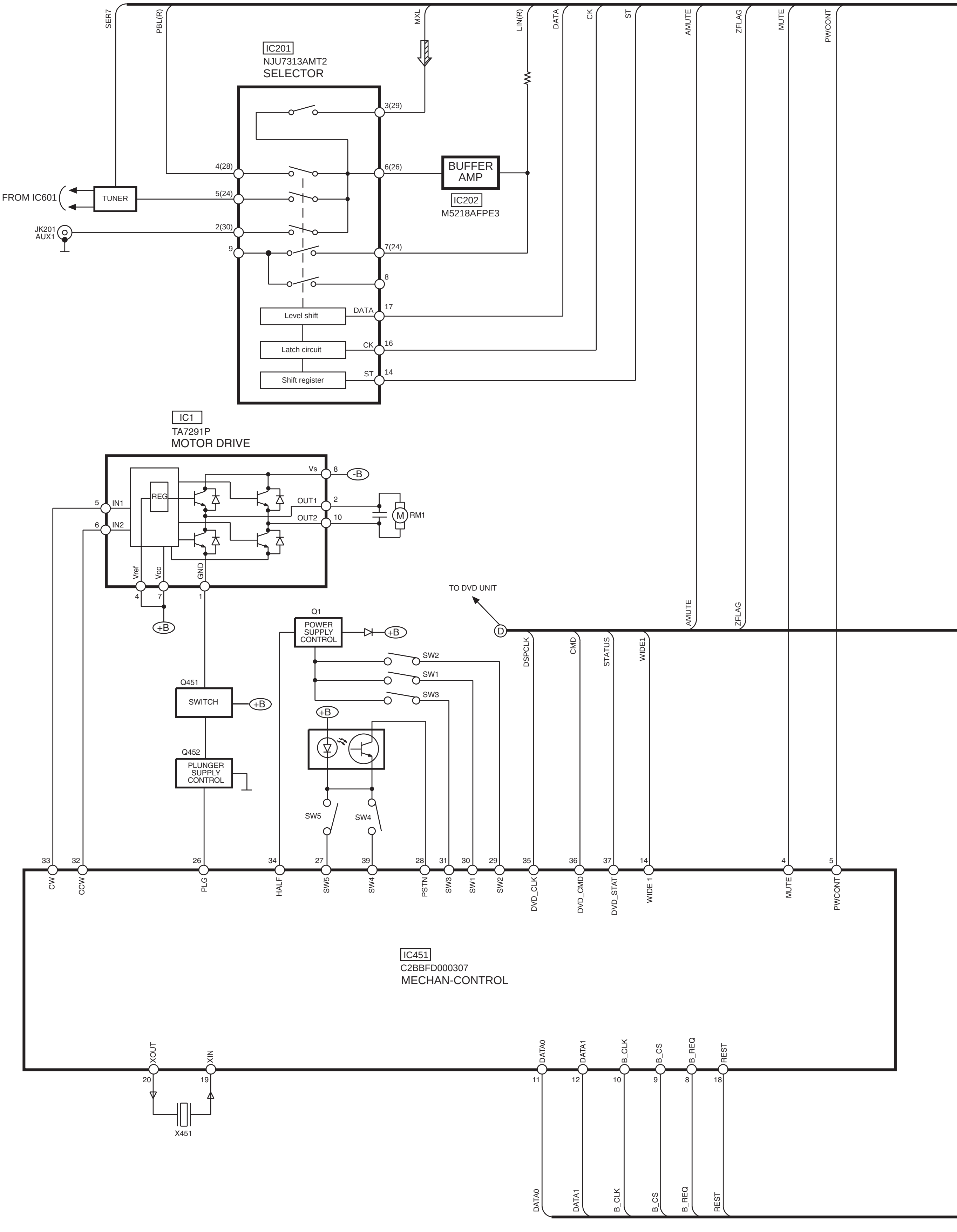
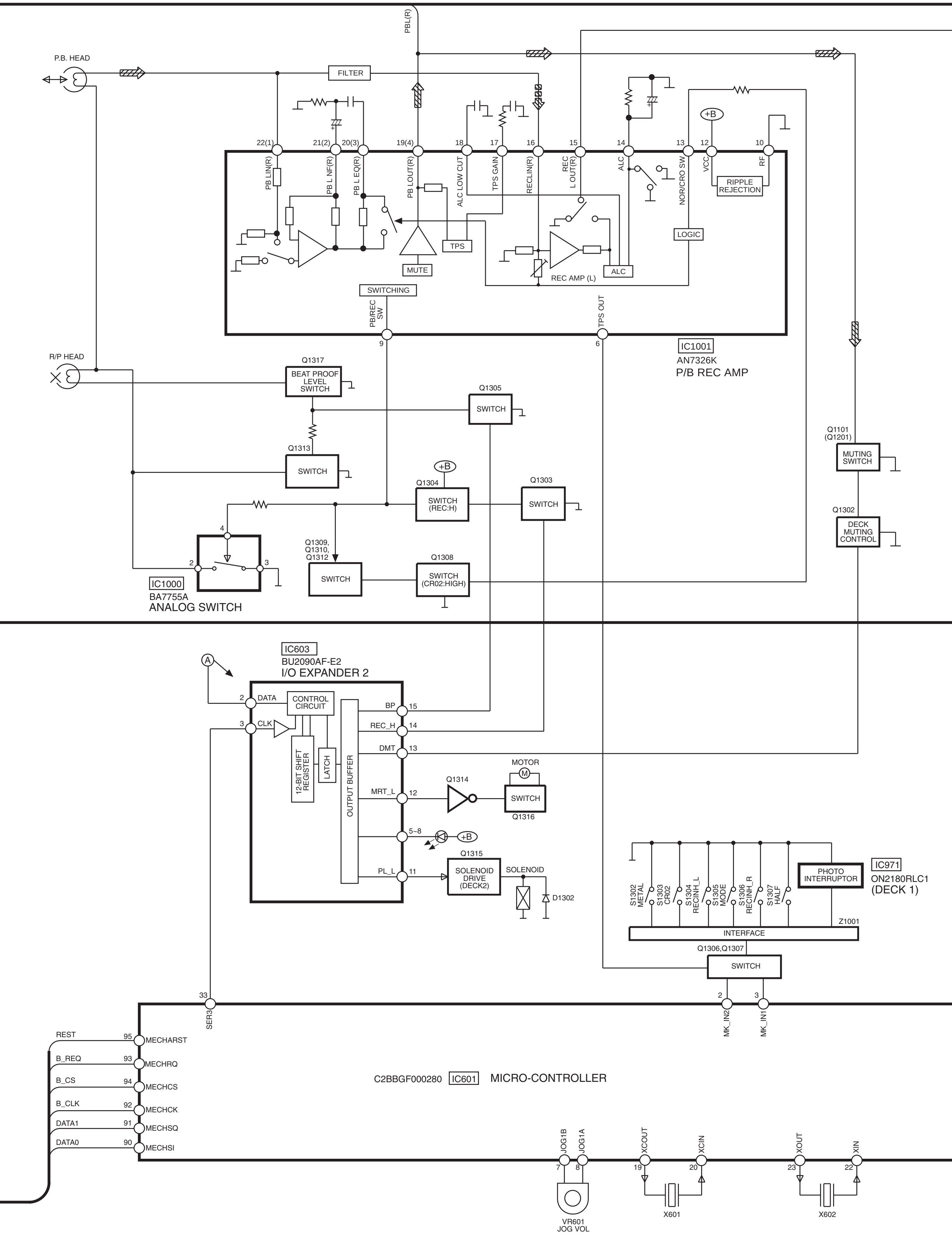
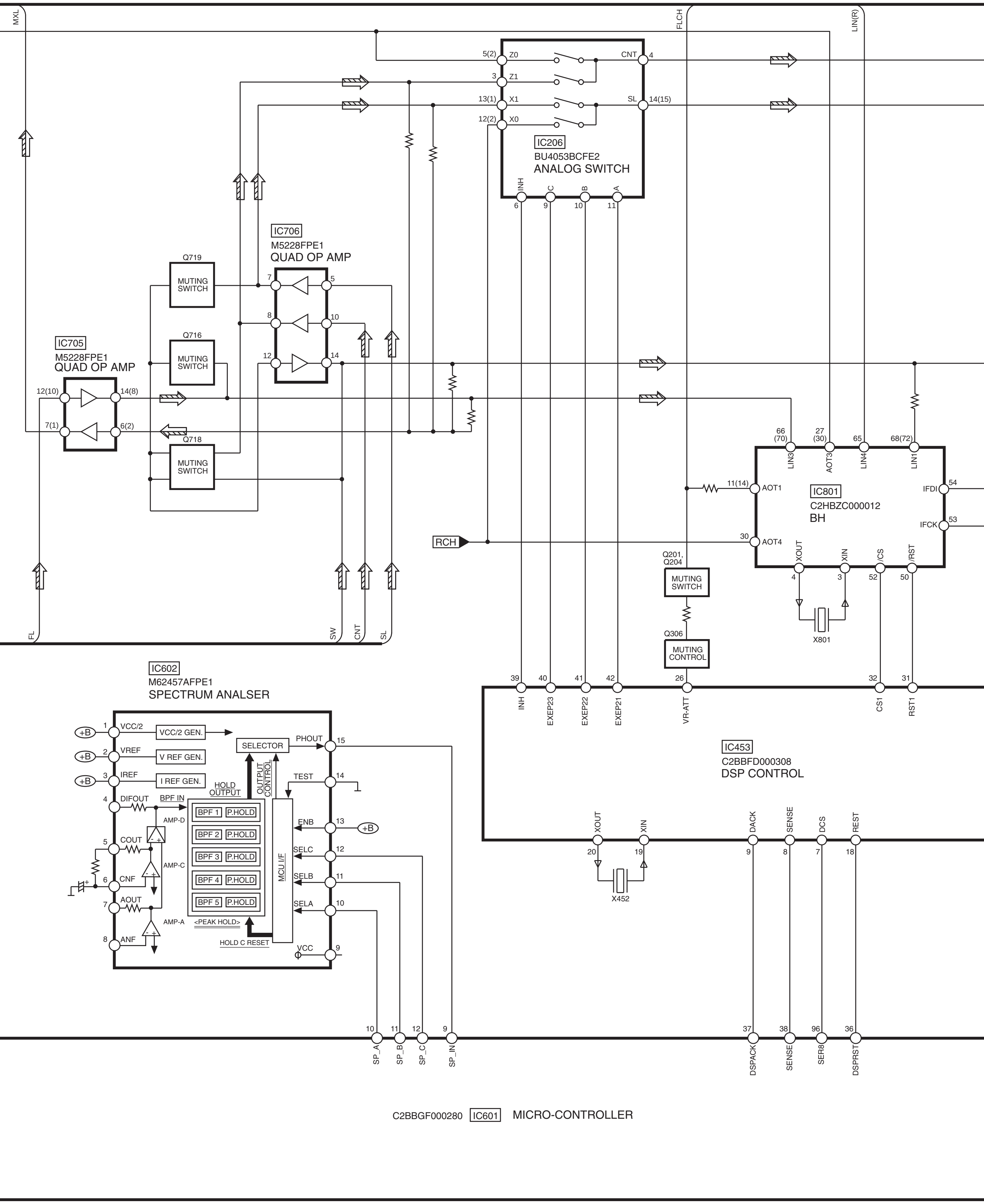
HIGH FREQUENCY MODULATOR
LD-IN 2
LD-OUT 5
DVD MODULATOR
LD 15
SW 14
T2 5
T1 4
Mon 8
F2 13
F1 12
RFN 11
RFP 10
T4 7
T3 6
CD MODULATOR
LD 11
F2 10
F 8
E 6
F1 4
Mon 2
TILTP
LPCO1
Q5215
CD SUPPLY SWITCH
Q5211
LD SUPPLY SWITCH B
IC5201
AN8708FHK
FRONT END PROCESSOR
5 LPCD2
3 LPCD1
44 VIN2
43 VIN1
2 LPC1
41 VIN8
40 VIN7
33 RFINN
32 RFINP
46 VIN4
45 VIN3
38 VIN5
47 VIN9
48 VIN10
39 VIN8
4 LPC2
9 SEN
10 SCK
11 STDIO
INTERFACE
FLTOP, FLTON 26,27
TE 13
TRACKING BALANCE
TBAL 7
FE 20
FOCUS BALANCE
FBAL 6
RFENV 36
FB 21
TESTSG 31
BDD 16
OFTR 15
QR5251
RESET SWITCH
+B
IC6201
MN102H60GFA
CPU
AMUTE 64 AN2
SDATA 56 SBO 4
SCLOCK 53 SBT4
CMD 51 SBI3
STATUS 52 SBO3
DSPCLK 50 P82
YDET 63 AN1
YVDL 49 DAC1
STBDAC2 68 LCAS
B 7,18,78
PA4 80
AN7 47
PA3 79
AN6,AN5 46,45
PA0 76
SBI1 71
SBT1 70
SBO1 72
1,6,13
2,3, 14~16, 26~33, 84~91
35~40,77
AN3 65
OSCI 23
93~100
NRST 82
8,41,42
QR6301
RESET SWITCH
IC6501
C1DB00000582
CLOCK
14 FSEL
15 CLK33
CLK27M 3 CLK27
4 CLK64
EXTCLK 10 768IS
CLK16M 13 CLK16
XTO 8
XTI 7
X6501
RESET
IC6301
PST596JNR
16,17,26
30,32,34,36, 39,41,43,45
6~8,11, 18~25,28, 29,31,33, 35,38,40, 42,44
1~5, 37,38, 40~48
IC6302
RFKFRV45B040 (GCS)
RFKFRV45C040 (GCP/GC/GN)
RFKFRV45D040 (GK)
4M FLASH ROM
32,57,58
30,31,45~55, 59,60,62,63, 68~70,72~74
26,37, 38,40~43
IC7001
MN103S13BGA
CPU
BD0 80
81,82,88, 90~92, 95~98, 109~111
LRCK 100
112~115
1,3,6,9,12, 14,17,20,24, 131,137,143
NRST 85
B1
SBI1
SBT1
SBO1
C
D
NRST

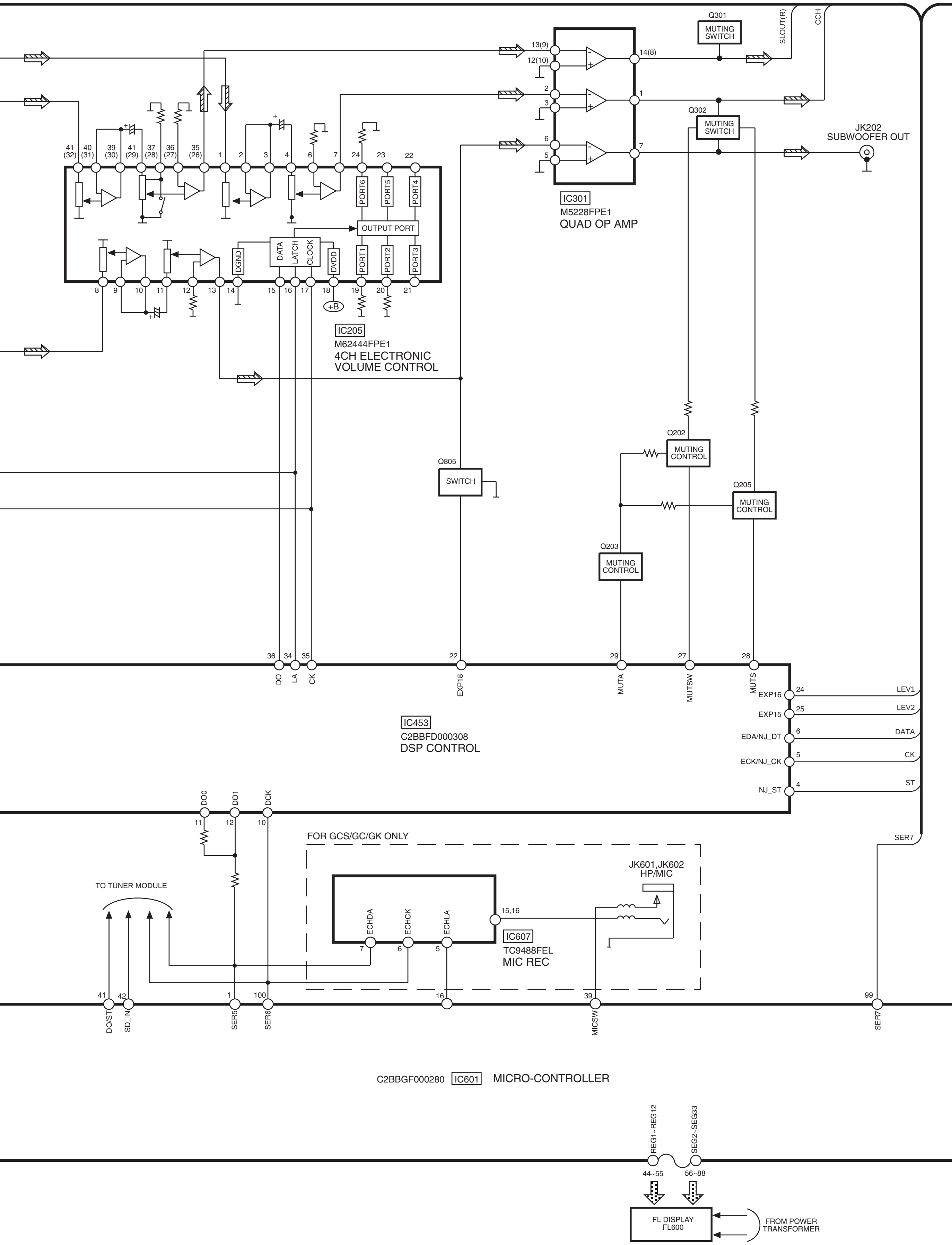

TILTP
LPCO1
IC2001
MN67706EC
DSC
97 AD6
54 TILTP
8,9 ARF,NARF
2 AD1
34 TRCRS
43 TBAL
3 AD0
44 FBAL
100 AD3
1 AD1
50 TSTSG
49 BDO
47 OFTR
84 XRESET
85,86 ENS,ENC
87 CPUIRQ
90 CPUDTOUT
88 CPUCLK
89 CPUDTIN
61~63, 65~71, 76,83
48 SYSCLK
77~80 DAT3~DAT0
TRSDRV 51
DA1,DA0 5,6
SPDRV 52
AD4 99
TILTN 56
TILT 55
DTRO 59
SW2501
CLK16M
IC2501
C0GBG0000020
MOTOR DRIVE
VO3- 18
VO3+ 17
VO4- 16
VO4+ 15
VO2+ 12
VO2- 11
VO1+ 14
VO1- 13
8 VCC
26 TRIN
3,2 VIN2,VIN1
23 VIN3
5 OPIN-
27 MUTE3
9 MUTE12
IC6251
C0CBCBE00001
VIDEO
STEPPING MOTOR UNIT
STEPPING MOTOR
M
M2501
M
M2502
-
+
-
+
OPTICAL PICK UP UNIT
ACTUATOR
FOCUS COIL
TRACKING COIL
ACT F+
ACT F-
ACT T+
ACT T-

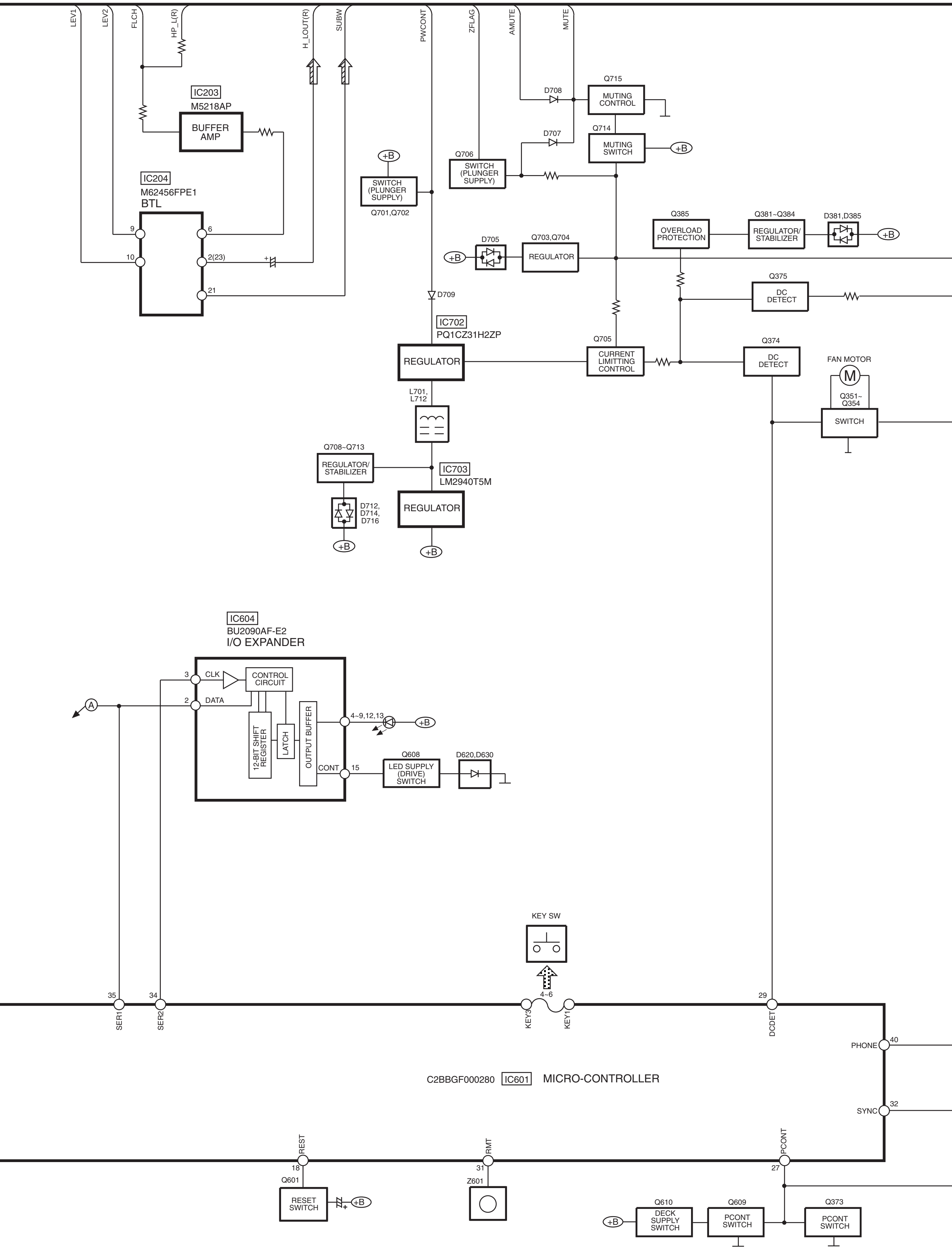

VIDEO OUT
JK701
VIDEO OUT
G
Y
C
IC3301
C1AB00001393
VIDEO BUFFER
IC3001
MN677533MP
AV DECORDER
IC3051
PQ018EZ01ZP
REGULATOR
+B
LVDD
174
CDET
WIDE1
QR3301
AMP
15
C-IN
12
C-OUT
CR/R
11
CV-OUT
10
CV-SAG
Y
2
Y-IN
5
Y-SAG
6
Y-OUT
FOR GCS/GC/GK/GN ONLY
IC3061
KM416S1DTG8T
16M
SDRAM
IC3071
KM416S1DTG8T
16M
SDRAM
1~10
158~208
IC6303
C3EBEC000024
EEPROM
6
5
SCLOCK
SDATA
IC3091
C0CBCBD00002
REGULATOR
118,123,
128,133
IC4211
C0FBBK000021
6CH AUDIO
D/A CONVERTER
ZFLG1
48
ZFLAG
EXTCK
110
38
SCLK1
VOUT3
(VOUT4)
12(11)
SL
ADOUT0
92
45
DIN1
VOUT5
10
CNT
ADOUT,
ADOUT2
93~94
46,47
DIN2,DIN3
VOUT6
9
SW
LRCK
89
41
LRCIN
VOUT1
(VOUT2)
14(13)
FL
SRCK
90
40
BCK IN
CR/R
129
VCOUT
X RST
12
37
RSTB
Y
MDO
MDI
MC
ML
YDET
134
VYOUT
33
34
35
36
YVDL
131
VREFY
35~38,40~43,
45~47,49~51,
54~57,59,31
C
CDET
119
VBOUT
70~73,
75~78,
80~83
D
27,32,
33,
60~69
B
IC6222
C0JBAA000001
INVERTER
STATUS
60~63,
65~67,
69
B1
IC6221
C0JBAA000001
INVERTER
DSPCLK
CLK27M
99
CLK127
AMUTE
CMD
WIDE1
TO MAIN
UNIT
D
EXTCLK
NRST
SBI1
SBO1
SBT1
STBDAC2
STATUS
DSPCLK
AMUTE
CMD
WIDE1

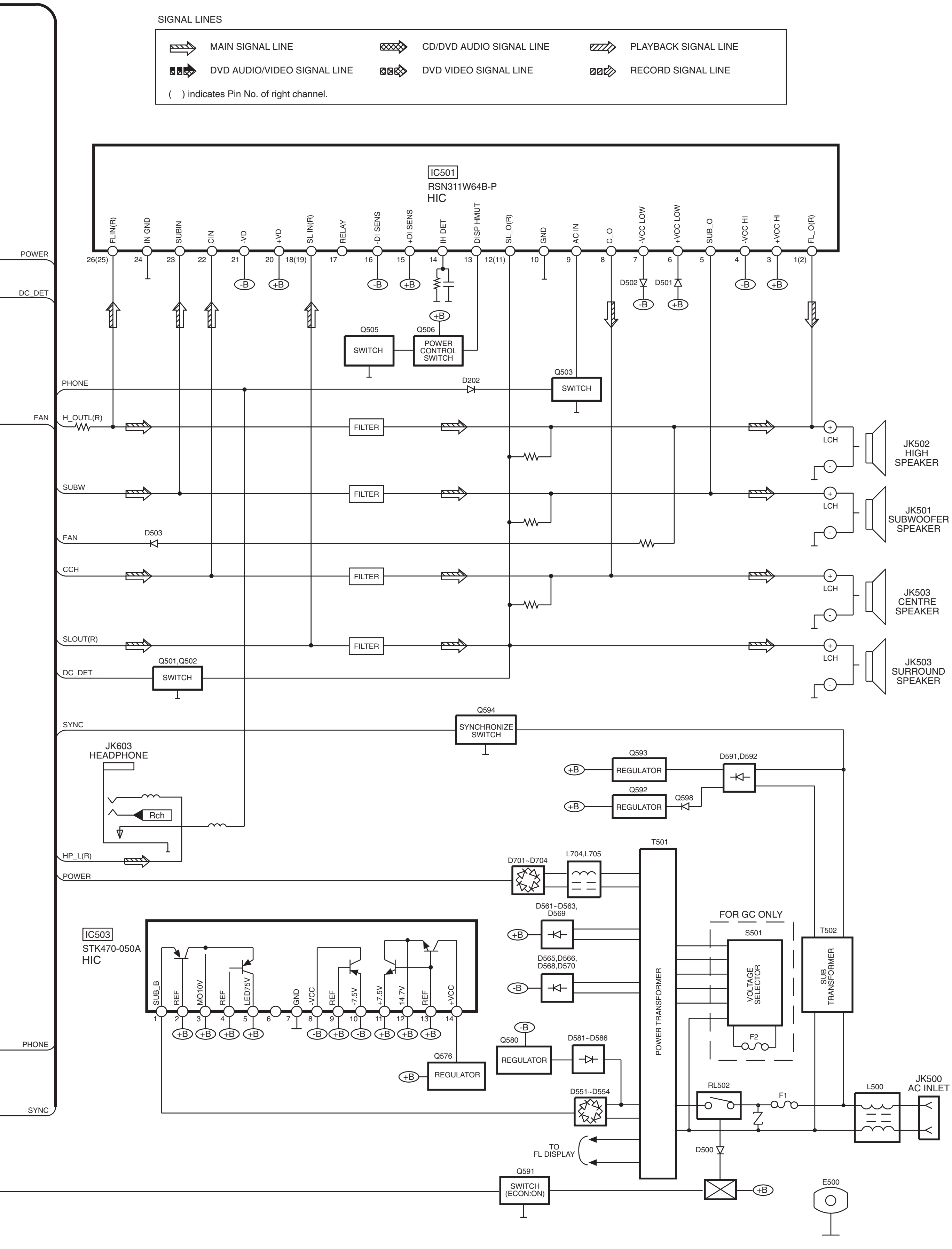

SER7
PBL(R)
MXL
LIN(R)
DATA
CK
ST
AMUTE
ZFLAG
MUTE
PWCONT
IC201
NJU7313AMT2
SELECTOR
3(29)
4(28)
6(26)
5(24)
2(30)
9
7(24)
8
BUFFER AMP
IC202
M5218AFPE3
FROM IC601
TUNER
JK201
AUX1
Level shift
Latch circuit
Shift register
DATA
CK
ST
17
16
14
IC1
TA7291P
MOTOR DRIVE
Vs
8
-B
REG
5
IN1
6
IN2
OUT1
2
OUT2
10
M
RM1
Vref
Vcc
GND
4
7
1
+B
TO DVD UNIT
D
AMUTE
ZFLAG
Q1
POWER SUPPLY CONTROL
+B
SW2
SW1
SW3
DSPCLK
CMD
STATUS
WIDE1
Q451
SWITCH
+B
+B
Q452
PLUNGER SUPPLY CONTROL
SW5
SW4
33
32
26
34
27
39
28
31
30
29
35
36
37
14
4
5
CW
CCW
PLG
HALF
SW5
SW4
PSTN
SW3
SW1
SW2
DVD_CLK
DVD_CMD
DVD_STAT
WIDE 1
MUTE
PWCONT
IC451
C2BBFD000307
MECHAN-CONTROL
XOUT
XIN
DATA0
DATA1
B_CLK
B_CS
B_REQ
REST
20
19
11
12
10
9
8
18
X451
DATA0
DATA1
B_CLK
B_CS
B_REQ
REST


PBL(R)
P.B. HEAD
FILTER
22(1)
21(2)
20(3)
19(4)
18
17
16
15
14
13
12
10
+B
PB LIN(R)
PB L NF(R)
PB L EQ(R)
PB LOUT(R)
ALC LOW CUT
TPS GAIN
RECLIN(R)
REC L OUT(R)
ALC
NOR/CRO SW
VCC
RF
RIPPLE REJECTION
LOGIC
TPS
MUTE
ALC
REC AMP (L)
SWITCHING
PB/REC SW
TPS OUT
9
6
IC1001
AN7326K
P/B REC AMP
R/P HEAD
Q1317
BEAT PROOF LEVEL SWITCH
Q1305
SWITCH
Q1313
SWITCH
+B
Q1304
SWITCH (REC:H)
Q1303
SWITCH
Q1101 (Q1201)
MUTING SWITCH
Q1302
DECK MUTING CONTROL
4
2
3
Q1309, Q1310, Q1312
SWITCH
Q1308
SWITCH (CR02:HIGH)
IC1000
BA7755A
ANALOG SWITCH
IC603
BU2090AF-E2
I/O EXPANDER 2
A
2
DATA
3
CLK
CONTROL CIRCUIT
12-BIT SHIFT REGISTER
LATCH
OUTPUT BUFFER
BP
15
REC_H
14
DMT
13
MRT_L
12
5~8
PL_L
11
MOTOR
M
Q1314
SWITCH
Q1316
+B
Q1315
SOLENOID DRIVE (DECK2)
SOLENOID
D1302
S1302 METAL
S1303 CR02
S1304 RECINH_L
S1305 MODE
S1306 RECINH_R
S1307 HALF
PHOTO INTERRUPTOR
IC971
ON2180RLC1
(DECK 1)
Z1001
INTERFACE
Q1306,Q1307
SWITCH
33
SER3
2
3
MK_IN2
MK_IN1
REST
95
MECHARST
B_REQ
93
MECHRQ
B_CS
94
MECHCS
B_CLK
92
MECHCK
DATA1
91
MECHSQ
DATA0
90
MECHSI
C2BBGF000280
IC601
MICRO-CONTROLLER
JOG1B
JOG1A
7
8
XCOUT
XCIN
19
20
XOUT
XIN
23
22
VR601
JOG VOL
X601
X602


MXL
FLCH
LIN(R)
5(2)
Z0
CNT
4
3
Z1
13(1)
X1
SL
14(15)
12(2)
X0
IC206
BU4053BCFE2
ANALOG SWITCH
INH
C
B
A
6
9
10
11
IC706
M5228FPE1
QUAD OP AMP
Q719
MUTING SWITCH
7
5
8
10
12
14
Q716
MUTING SWITCH
IC705
M5228FPE1
QUAD OP AMP
12(10)
14(8)
7(1)
6(2)
Q718
MUTING SWITCH
66 (70)
27 (30)
65
68(72)
LIN3
AOT3
LIN4
LIN1
11(14)
AOT1
IC801
C2HBZC000012
BH
IFDI
54
IFCK
53
RCH
30
AOT4
XOUT
XIN
/CS
/RST
4
3
52
50
X801
Q201, Q204
MUTING SWITCH
Q306
MUTING CONTROL
FL
SW
CNT
SL
IC602
M62457AFPE1
SPECTRUM ANALSER
+B
1
VCC/2
VCC/2 GEN.
+B
2
VREF
V REF GEN.
+B
3
IREF
I REF GEN.
4
DIFOUT
BPF IN
AMP-D
HOLD OUTPUT
SELECTOR
OUTPUT CONTROL
PHOUT
15
TEST
14
ENB
13
+B
5
COUT
AMP-C
6
CNF
7
AOUT
AMP-A
8
ANF
BPF 1
P.HOLD
BPF 2
P.HOLD
BPF 3
P.HOLD
BPF 4
P.HOLD
BPF 5
P.HOLD
<PEAK HOLD>
HOLD C RESET
MCU I/F
SELC
12
SELB
11
SELA
10
VCC
9
39
40
41
42
26
32
31
INH
EXEP23
EXEP22
EXEP21
VR-ATT
CS1
RST1
IC453
C2BBFD000308
DSP CONTROL
XOUT
XIN
20
19
X452
DACK
SENSE
DCS
REST
9
8
7
18
10
11
12
9
SP_A
SP_B
SP_C
SP_IN
37
38
96
36
DSPACK
SENSE
SER8
DSPRST
C2BBGF000280
IC601
MICRO-CONTROLLER


Q301
MUTING SWITCH
SLOUT(R)
CCH
13(9)
12(10)
14(8)
2
3
1
Q302
MUTING SWITCH
6
5
7
JK202
SUBWOOFER OUT
IC301
M5228FPE1
QUAD OP AMP
41 (32)
40 (31)
39 (30)
41 (29)
37 (28)
36 (27)
35 (26)
1
2
3
4
6
7
24
23
22
PORT6
PORT5
PORT4
OUTPUT PORT
DGND
DATA
LATCH
CLOCK
DVDD
PORT1
PORT2
PORT3
8
9
10
11
12
13
14
15
16
17
18
19
20
21
+B
IC205
M62444FPE1
4CH ELECTRONIC
VOLUME CONTROL
Q805
SWITCH
Q202
MUTING CONTROL
Q205
MUTING CONTROL
Q203
MUTING CONTROL
36
34
35
22
29
27
28
DO
LA
CK
EXP18
MUTA
MUTSW
MUTS
EXP16
24
LEV1
EXP15
25
LEV2
EDA/NJ_DT
6
DATA
ECK/NJ_CK
5
CK
NJ_ST
4
ST
IC453
C2BBFD000308
DSP CONTROL
DO0
DO1
DCK
11
12
10
SER7
FOR GCS/GC/GK ONLY
JK601,JK602
HP/MIC
TO TUNER MODULE
15,16
ECHDA
ECHCK
ECHLA
7
6
5
IC607
TC9488FEL
MIC REC
41
42
1
100
16
39
99
DO/ST
SD_IN
SER5
SER6
MICSW
SER7
C2BBGF000280
IC601
MICRO-CONTROLLER
REG1~REG12
SEG2~SEG33
44~55
56~88
FL DISPLAY
FL600
FROM POWER
TRANSFORMER


LEV1
LEV2
FLCH
HP_L(R)
H_LOUT(R)
SUBW
PWCONT
ZFLAG
AMUTE
MUTE
IC203
M5218AP
BUFFER AMP
IC204
M62456FPE1
BTL
9
10
6
2(23)
21
Q715
MUTING CONTROL
D708
D707
Q714
MUTING SWITCH
+B
Q706
SWITCH (PLUNGER SUPPLY)
+B
SWITCH (PLUNGER SUPPLY)
Q701,Q702
Q385
OVERLOAD PROTECTION
Q381~Q384
REGULATOR/ STABILIZER
D381,D385
+B
D705
Q703,Q704
+B
REGULATOR
Q375
DC DETECT
D709
IC702
PQ1CZ31H2ZP
REGULATOR
Q705
CURRENT LIMITTING CONTROL
Q374
DC DETECT
FAN MOTOR
M
Q351~ Q354
SWITCH
L701, L712
Q708~Q713
REGULATOR/ STABILIZER
IC703
LM2940T5M
REGULATOR
D712, D714, D716
+B
+B
IC604
BU2090AF-E2
I/O EXPANDER
A
3
CLK
CONTROL CIRCUIT
2
DATA
12-BIT SHIFT REGISTER
LATCH
OUTPUT BUFFER
4~9,12,13
+B
CONT
15
Q608
LED SUPPLY (DRIVE) SWITCH
D620,D630
KEY SW
4~6
35
34
29
SER1
SER2
KEY3
KEY1
DCDET
PHONE
40
C2BBGF000280
IC601
MICRO-CONTROLLER
SYNC
32
REST
18
RMT
31
PCONT
27
Q601
RESET SWITCH
+B
Z601
Q610
DECK SUPPLY SWITCH
+B
Q609
PCONT SWITCH
Q373
PCONT SWITCH


SIGNAL LINES
MAIN SIGNAL LINE
CD/DVD AUDIO SIGNAL LINE
PLAYBACK SIGNAL LINE
DVD AUDIO/VIDEO SIGNAL LINE
DVD VIDEO SIGNAL LINE
RECORD SIGNAL LINE
( ) indicates Pin No. of right channel.
IC501
RSN311W64B-P
HIC
FLIN(R)
IN GND
SUBIN
CIN
-VD
+VD
SL IN(R)
RELAY
-DI SENS
+DI SENS
IH DET
DISP HMUT
SL_O(R)
GND
AC IN
C_O
-VCC LOW
+VCC LOW
SUB_O
-VCC HI
+VCC HI
FL_O(R)
26(25)
24
23
22
21
20
18(19)
17
16
15
14
13
12(11)
10
9
8
7
6
5
4
3
1(2)
-B
+B
D502
D501
Q505
SWITCH
Q506
POWER CONTROL SWITCH
Q503
SWITCH
D202
POWER
DC_DET
FAN
PHONE
H_OUTL(R)
FILTER
SUBW
FAN
D503
CCH
SLOUT(R)
DC_DET
Q501,Q502
SWITCH
LCH
JK502
HIGH SPEAKER
JK501
SUBWOOFER SPEAKER
JK503
CENTRE SPEAKER
JK503
SURROUND SPEAKER
SYNC
Q594
SYNCHRONIZE SWITCH
JK603
HEADPHONE
Rch
HP_L(R)
POWER
Q593
REGULATOR
D591,D592
Q592
REGULATOR
Q598
T501
D701~D704
L704,L705
D561~D563, D569
D565,D566, D568,D570
FOR GC ONLY
S501
VOLTAGE SELECTOR
F2
T502
SUB TRANSFORMER
POWER TRANSFORMER
IC503
STK470-050A
HIC
SUB_B
REF
MO10V
REF
LED75V
GND
-VCC
REF
-7.5V
+7.5V
14.7V
REF
+VCC
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Q576
REGULATOR
Q580
REGULATOR
D581~D586
D551~D554
RL502
F1
L500
JK500
AC INLET
TO FL DISPLAY
D500
PHONE
SYNC
Q591
SWITCH (ECON:ON)
E500